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THESIS

OPTIMAL RECRUITING STRATEGY TO MINIMIZE U.S. NAVY DELAYED ENTRY PROGRAM (DEP) ATTRITION

by

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December 1997

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The DEP placement problem is formulated as a nonlinear program that minimizes relative recruiting costs weighted with respect to the desired recruit category. The lowest recruiting costs are assigned to recruits in DEP lengths that ensure the lowest probability of becoming a DEP loss. Increased costs are assigned to direct shippers. A large penalty cost is assigned to monthly accession deficits. Integral to the model are estimates of DEP loss probability for the various combinations of recruit categories and DEP lengths.

This research concludes that the annual new contract objective (NCO) does not support the successful attainment of the accession goal. Furthermore, an NCO increase of 20% is required to achieve the accession goal with a 95% confidence level. Finally, the thesis addresses the accession goal confidence levels associated with incremental increases of the NCO.

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OPTIMAL RECRUITING STRATEGY TO MINIMIZE U.S. NAVY DELAYED ENTRY PROGRAM (DEP) ATTRITION

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EXECUTIVE SUMMARY

This thesis develops an optimization based model to assist the Navy Recruiting Command (NRC) in placing Nuclear Power Field recruits in the Delayed Entry Program (DEP). After signing enlistment contracts, individuals are enrolled in the DEP prior to entering recruit training. During DEP, some individuals may renege on their contracts, thus becoming DEP losses. Although DEP is costly, it is a necessary and important inventory management tool since it provides a pool of recruits to meet future accession goals.

The DEP placement problem is formulated as a nonlinear program that minimizes overall recruiting costs. Recruiting costs are reduced by assigning recruits to DEP lengths that ensure the lowest probability of becoming a DEP loss. Integral to the model are estimates of DEP loss probability for the various combinations of recruit categories and DEP lengths.

The goal of developing a DEP placement strategy is to minimize the total cost of achieving the annual recruiting goal by reducing the number of DEP losses. By placing contracts into DEP lengths with the lowest probability of DEP loss, overall recruiting costs may be lowered due to fewer DEP losses. To be implementable, the placement strategy must span the typical NRC planning horizon of one fiscal year, or 12 months. However, the model is implemented with a 24 month planning horizon because many High School (HS) recruits sign contracts in one fiscal year but access during the following fiscal year. By extending the planning horizon, the model must consider the effects of the placement strategy on the outlying year. For example, a recruit signing a contract with a 9 month DEP length in June 96 will not access until March 97. Thus, the attainment of the March 97 accession goal must be considered.

The DEP placement model developed in this thesis requires four kinds of data: DEP loss probabilities, the annual new contract objective (NCO), the monthly accession goals, and the DEP pool levels. All data for this thesis are for FY96 Nuclear Field recruits. This research concludes that the annual new contract objective (NCO) does not support the successful attainment of the accession goal. During FY96, NRC did not

attain the Nuclear Power Field accession goal in April and May. The accession shortfall placed additional burden on the recruiting force to ensure that the annual accession goal was achieved. Furthermore, an NCO increase of 20% is required to achieve the accession goal with a 95% confidence level. Finally, the thesis addresses the accession goal confidence levels associated with incremental increases of the NCO.

I. INTRODUCTION

Military recruiting is the cornerstone of maintaining a strong and healthy defense organization. The Navy Recruiting Command (NRC) is responsible for recruiting civilians into the naval service. Its recruiters are salesmen who sell the Navy to American youths between the ages of 17 and 21.

The task of finding highly qualified candidates is both time consuming and labor intensive. The recruiters begin the enlistment process by contacting potential candidates through high school visits, job fairs, and telephone interviews. After satisfactory completion of the necessary aptitude tests, interested candidates sign enlistment contracts and are scheduled to enter recruit training at some future date, typically no longer than one year from the date of the contract. While waiting to enter recruit training, they are enrolled in the *Delayed Entry Program (DEP)*. Some recruits decide not to join the Navy and renege on their contracts. Others become disqualified due to injury or improper conduct. The attrition from the program is referred to as *DEP loss*.

Every recruit is a financial investment. The Navy expends valuable resources administering medical and aptitude exams. Also, the time spent in recruiting applicants has its associated costs. NRC estimates that approximately 20% of the DEP population will fail to honor their enlistment contract [Bohn and Schmitz, 1995]. With the FY1996 goal of 56,479 new contracts, NRC expected 11,296 DEP losses throughout the year. NRC experienced 9,946 DEP losses. Using a conservative estimate of \$3000 per recruit, this translates to \$29.8 million that the Navy spent on DEP losses alone. In an era of declining budgets, it becomes increasingly important that NRC develops strategies to reduce its DEP attrition.

Alternatives exist to reduce the number of DEP attritions. First, the Navy could exercise its legal right and force recruits to honor their enlistment contract since the contract is a binding legal document. The Navy, as well as the other services, does not exercise this option because they fear the negative atmosphere created by legal proceedings will drive away more potential recruits than it will keep from reneging.

Instead, NRC incorporates DEP losses into its annual recruiting strategy. Accurate DEP

loss management allows NRC to lower overall recruiting costs by reducing the number of contracts which must be signed during the year. If recruits are placed into DEP in a manner which decreases the likelihood of becoming a DEP loss, fewer contracts will be required to achieve the monthly accession goals. To illustrate, a recruit can be viewed as a commodity that is perishable with time. The longer recruits remain in DEP, the more likely they will become DEP losses. This suggests that recruits should enter recruit training soon after signing the enlistment contracts. However, this is not always practical for several reasons. First, recruits who sign contracts during their senior year of high school must complete their education and cannot enter training immediately. Second, the space for recruit training is limited. Thus, when there is no available space, recruits must wait until space becomes available. Third, NRC generally requires a minimum of one month to perform security and background checks on each recruit. Finally, by building a healthy DEP inventory, NRC is better prepared for unforeseen shortages in the future.

For the U.S. Navy, recruits are grouped into three categories: General Detail (GenDet), Advanced Technical Field (A-school) and Nuclear Power Field (NF). NF is the most selective of the three categories. The criteria for NF recruits are generally more rigorous and the pool for potential NF recruits is generally smaller than the other categories. Having higher qualifications, NF recruits are also in demand in the private sector and other non-military public institutions. Thus, it has become increasingly difficult to recruit for the Nuclear Power Field. In FY1996, NRC failed to achieve its NF accession goals for April and May. This event helped stimulate the focus in this thesis on NF recruits.

To analyze recruit behavior, recruiting data for all NF recruits from FY1991 to FY1994 were obtained from Navy Personnel Records Data Center via NRC. At the writing of this thesis, the data for FY1995 and FY1996 were unavailable. It is important to note that FY1994 was the first year that NRC accessed female NF recruits. Since no prior data exists for female NF recruits, 101 female records were discarded. All DEP loss analysis was conducted assuming a gender neutral approach using male NF recruit data.

A. THESIS OBJECTIVE

To better manage NRC's DEP attrition, this thesis develops an optimization—based tool for placing recruits in the DEP. In particular, the tool can be used to determine an optimal number of recruits to be placed in DEPs of various lengths. The main goal is to reduce recruiting cost.

B. THESIS ORGANIZATION

Chapter II introduces the recruiting process within the Navy Recruiting

Command, including the Delayed Entry Program and measures of recruiting

performance. Chapter III details the DEP placement optimization model. Chapter IV

discusses the implementation and results of the optimization model. Chapter V

summarizes the results of this thesis and presents recommendations for further study.

II. THE NAVY RECRUITING PROCESS

The sections below provide information concerning the recruiting process at the Navy Recruiting Command. Section A introduces the NRC organization. Section B details the recruiting process. The Delayed Entry Program is discussed in Section C. Finally, Sections D and E explain the terms accession goals and new contract objective. Section F provides background on previous research on DEP loss and DEP placement.

A. NAVY RECRUITING COMMAND

At the highest level of the Navy recruiting organization is the NRC Headquarters (HQ), located in Arlington, VA (see Figure 1). Under the direction of the Commander, Navy Recruiting Command (CNRC), the HQ coordinates and supports the U.S. Navy's recruiting effort.

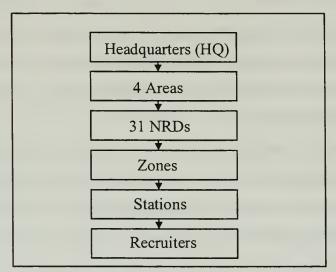


Figure 1. Navy Recruiting Command Organization

In addition to the highly visible enlisted recruiting effort, HQ is responsible for recruiting officer candidates for programs such as Aviation, Intelligence, Medical, and Nuclear Power. The next level in the organization consists of four Area commands. Each Area is responsible for supporting a separate geographical region of the United States which consists of 10-14 states. Table 1 lists the locations of the four area offices and the subordinate NRDs.

Areas	Office Location	NRDs		
1	Scotia, NY	New England	Buffalo, NY	New York, NY
		Columbus, OH	Philadelphia, PA	Pittsburgh, PA
		Michigan		
3	Macon, GA	Montgomery, AL	Jacksonville, FL	Atlanta, GA
		Nashville, TN	Raleigh, NC	Richmond, VA
		New Orleans, LA	Miami, FL	
5	Great Lakes, IL	Chicago, IL	Kansas City, MO	Minneapolis, MN
		Omaha, NE	Dallas, TX	Houston, TX
		Indianapolis, IN	St. Louis, MO	
8	Oakland, CA	Denver, CO	Albuquerque, NM	Los Angeles, CA
		Portland, OR	San Francisco,	Seattle, WA
			CA	
		San Diego, CA	San Antonio, TX	

Table 1. Area Command Locations

Each Area supports a subset of 31 Navy Recruiting Districts (NRDs). In turn, each NRD supports a collection of recruiting zones which cover one or two states. Within each zone, there is a collection of recruiting stations from which the recruiters operate.

B. RECRUITING PROCESS

The recruiters begin the enlistment process by contacting *prospects*, typically 17-21 year old individuals, through high school visits, job fairs, recruiting stations, and telephone interviews. If prospects decide to pursue their interest in the military, they then become *applicants*. The applicants undergo a series of tests to determine their mental skills, mechanical aptitude, and medical condition. Upon satisfactory completion of the tests, the applicant chooses a military job assignment, known as a rate, and signs an enlistment contract. The enlistment contract is a legal document which binds the applicant to obligated military service for a pre-determined length of time. The length of obligated service may vary from applicant to applicant. Two years is the current minimum length of obligated service. After signing the enlistment contract, the applicant is referred to as a *contract*. The individual becomes an *accession* on the day that he or she enters recruit training, informally known as boot camp.

There are two paths to accession. The first path allows the contract to ship to recruit training during the same month that the contract is signed. This type of recruit is

called a *direct shipper (DS)*. For management purpose, large numbers of direct shippers are undesirable for they have a higher rate of in-service attrition after induction to recruit training [Bohn and Schmitz, 1995]. Additionally, it does not allow sufficient time to conduct thorough background security checks on the contracts. Currently, NRC allows less than 10% of recruits to be direct shippers. The second path allows a contract more flexibility, for it allows the potential recruit to delay his or her accession date between one month and a year from the contract signing date. While waiting for training, applicants enter the delayed entry program or DEP.

For planning purposes, NRC groups recruit contracts into two categories: *High School (HS)* and *Work Force (WF)*. HS recruits sign enlistment contracts prior to their high school graduation. On the other hand, WF recruits have already graduated from high school and are considered to have been employed in the civilian sector. The HS and WF categories differ in several ways. First, recruiting methods vary between categories. Recruiters are able to contact large populations of HS prospects through high school visits and job fairs. A single two hour visit may produce five applicants. On the other hand, recruiters spend more time contacting WF prospects since they must be individually contacted. Second, DEP lengths for HS recruits tend to be longer since they must receive their high school diploma before entering recruit training. Many HS recruits sign contracts early in their senior year of high school. As a result, they tend to have DEP lengths of six months or longer. WF recruits are available to enter recruit training immediately.

C. DELAYED ENTRY PROGRAM (DEP)

In addition to providing flexibility, the Delayed Entry Program offers other advantages. Recruiters regularly schedule meetings with recruits in the DEP, commonly referred to as *DEPers*, in order to increase the level of communication, conduct preliminary training and answer questions. DEPers have the opportunity to conduct peer recruiting. If a DEPer can refer enough of his friends to a recruiter to sign enlistment contracts, the DEPer will be authorized to enter the Navy at a higher paygrade. The Navy gains from peer recruiting because it reduces the recruiters' workload.

DEP also acts as a quality control filter. The recruiter may determine through his scheduled meetings that a DEPer is no longer eligible to enter the Navy. DEPers involved in drug use, criminal arrests, too many speeding tickets and various misdemeanor offenses cannot enter the Navy. The DEP also allows an individual time to reflect on his or her decision to enter the military. The DEP may afford a recruit the time to research and consider alternative job offers. This opportunity relieves apprehension and improves morale, thus reducing the chance of becoming an attrition later in his or her Navy career.

The Delayed Entry Program also has its disadvantages. Occasionally, DEPers will become disenchanted with their decision to join the Navy and renege on their contracts, become DEP losses. Other types of DEP attrition are due to incapacitating injuries and severe illness. NRC loses up to 20% of all recruits to DEP loss [Bohn, 1995]. However, DEP loss for NF recruits is slightly lower. Table 2 displays the percentage of DEP loss for all NF recruits along with the DEP loss percentages for the HS and WF groups. HS recruits have a higher DEP loss percentage. Due to longer DEP lengths, HS recruits are more likely to reconsider their decision to join the Navy and may decide to pursue other jobs or a college education. However, WF recruits are more interested in immediate employment and tend to be more focused on their decision to enlist.

	HS	WF	Total NF
FY 1991	0.2088	0.1384	0.1672
FY 1992	0.2166	0.1401	0.1764
FY 1993	0.2210	0.1393	0.1794
FY 1994	0.2100	0.1156	0.1633
Average	0.2141	0.1334	0.1716

Table 2. Annual DEP Loss Percentage for Nuclear Power Field Recruits, Separated by High School and Work Force Origins

D. ACCESSION GOALS

Prior to each fiscal year, the Bureau of Naval Personnel establishes the monthly and annual *accession goals* for NRC. The annual accession goal is the number of recruits who must enter recruit training for the coming fiscal year. To ensure steady progress, the

monthly accession goal requires NRC to ship a required number of recruits to training in each month. Moreover, performance against the monthly accession goals serves as a barometer of how well NRC is achieving the annual accession goal. When NRC fails to achieve the goal in one month, considerable effort is expended to prevent a recurrence in future months.

E. NEW CONTRACT OBJECTIVE

To achieve monthly accession goals, recruiters must find sufficient recruits in prior months to sign contracts. To ensure that the monthly accession goals are fulfilled, NRC sets a *new contract objective (NCO)* which specifies the number of new enlistment contracts that must be signed in each month. By placing new contracts in DEP for various lengths, accession goals in future months can be achieved. To manage DEP attrition, the strategy of placing new contracts in DEP is critical. Placing new contracts in the DEP too long increases attrition, while placing them too short increases workload at various levels of the recruiting organization.

NRC analysts utilize a NCO forecasting model to establish the monthly new contract objective. The model predicts the expected number of new contracts that can be signed within each geographic area. Inputs to the model include socio-economic data such as unemployment rates, local economy strength, and population density. The NCO forecasting model does not include DEP loss in its analysis.

F. PRIOR WORK ON DEP LOSS AND DEP PLACEMENT

All military recruiting organizations are faced with the problem of predicting DEP loss impact on their recruiting missions. Previous research [Matos, 1994 and Celeste, 1985] has shown that as time in DEP increases, so does the probability of DEP loss. On the other hand, as time in DEP increases, the probability of a recruit completing the terms of his or her enlistment contract upon completion of recruit training increases. This behavior is significant due to associated recruiting and training costs. Longer DEP lengths require increased resource allocation, primarily in the form of recruiter interaction. Recruiting organizations must determine whether it is more desirable to have recruits complete DEP, i.e., shorter DEP lengths, or have recruits complete the terms of their enlistment contract, i.e., longer DEP lengths. Magnaris and Phillips [1985]

investigated this behavior and recommended DEP lengths which balance recruiting and training costs versus DEP length. They assigned recruiting costs to the various DEP lengths and training costs to the first-term training, i.e., training received after initial recruit training. Recommended DEP lengths were determined by minimizing the total cost with respect to the DEP loss probability associated with that particular DEP length. Recommended DEP lengths are found to vary by rating category, i.e., occupation, and type of recruit category. Burris [1993] used DEP loss profiles while developing quarterly contract missions for the U.S. Army Recruiting Command (USAREC). He implemented an optimization model which minimizes overall expected cost of the contract mission due to DEP loss. Burris considered the available recruiting force and the number of recruiting days available in each calendar month. His model develops the NCO required to achieve the accession goals.

This thesis develops a DEP placement strategy which utilizes DEP loss to ensure that monthly accession goals are achieved with a desired probability. The strategy is developed using an optimization based tool to determine the optimal placement of recruits in the DEP which minimizes overall recruiting costs due to DEP loss. The DEP placement model is unique because it provides the user with a placement strategy for each monthly NCO which will ensure that the accession goal is met with a desired probability.

III. DEP PLACEMENT MODEL

As previously stated, NRC analysts are responsible for developing the monthly and annual NCO for each of the four recruiting Areas. The NCO forecasting model is used solely for predicting the number of contracts that are expected to be signed. It does not forecast DEP losses nor does it develop a DEP placement strategy for each contract. Currently, no placement strategy exists which suggests how to place recruits in the DEP to guarantee that each monthly accession goal is obtained.

In this chapter, an optimization model is introduced to assist NRC analysts in developing a DEP placement strategy. Section A presents the problem statement.

Section B presents the mathematical formulation of the DEP placement model.

A. PROBLEM STATEMENT

The goal of developing a DEP placement strategy is to minimize the total cost of achieving the annual recruiting goal by reducing the number of DEP losses. By placing contracts into DEP lengths with the lowest probability of DEP loss, overall recruiting costs may be lowered due to fewer DEP losses. The model is implemented with a 24 month planning horizon because many HS recruits sign contracts in one FY but access during the following FY. By extending the planning horizon, the model must consider the effects of the placement strategy on the outlying year. For example, a recruit signing a contract with a 9 month DEP length in June 96 will not access until March 97. Thus, the attainment of the March 97 accession goal must be considered.

B. MATHEMATICAL FORMULATION

The DEP placement strategy is formulated as a nonlinear program. It is a nonconvex model. Thus, there is no guarantee of obtaining a globally optimal solution. All results discussed in this thesis were obtained from a locally optimal solution.

1. Indices

a month the contract is accessed to recruit training

c month the enlistment contract is signed

t type of contract, e.g., HS, WF

2. Index Set

 H^t_C the set of permissible accession months for contract type t in the planning horizon for contract month c

 $H^t_c = \{a: c < a \le c+12\}$

3. Data

a. NCO and Accession Goal Data

cu cost associated for not meeting the minimum probability of achieving the monthly accession goal

 gl_a accession goal in month a

 $nc_{\mathcal{C}}$ new contract objective for month c

 z_{α} standardized normal value representing the minimum probability of achieving monthly accession goal

b. DEP Loss Probability Data

 $da^{t}(a-c)$ DEP loss probability of length (a-c) for contract type t

 daa_c DEP loss probability for direct shipment contracts for month c

 $ds^{t}(a-c) = 1 - da^{t}(a-c)$ DEP survival probability of length (a-c) for contract type t

 $dss_c = 1$ - daa_c DEP survival probability for direct shipment contracts for month c

c. DEP Pool Data

pa mean probability of attriting DEP of unknown length pl_a recruits in DEP pool scheduled to access in month a ps mean probability of surviving DEP of unknown length

d. Direct Shipper Data

dsb ₁	upper bound on first increment of direct shipment contracts
dsb2	upper bound on second increment of direct shipment
	contracts
tc1	cost associated with recruiting the lower increment of direct
	shipment contracts
tc2	cost associated with recruiting the upper increment of direct
	shipment contracts

Direct shippers are managed in two increments. As discussed in Chapter II, NRC prefers to minimize the number of direct shippers but considers a small number of DS recruits to be acceptable to meet personal needs of the recruits. The lower increment allows NRC to manage a small number of these recruits. The upper increment of DS recruits is used to achieve monthly accession deficits. The upper increment is less desirable and is assigned increased recruiting costs to meet the "just in time" recruiting effort.

e. Contract Type Data

lb	lower bound on proportion of WF contracts
ub	upper bound on proportion of WF contracts

4. Decision \	⁷ ariables
E_a	accession deficit in month a
X_{ca}^{\prime}	proportion of type t contracts signed in month c that are scheduled
	to access in month a
$Y1_c$	proportion of lower level direct shipment contracts signed in
	$\operatorname{month} c$
$Y2_c$	proportion of upper level direct shipment contracts signed in

5. Objective Function

month c

The primary component in the objective function is to minimize the sum of the recruiting costs associated with DEP and direct shipment contracts. The secondary component is to minimize the sum of the penalties for monthly accession deficits. The assigned recruiting costs are not operational expenditures. The costs are weighted with respect to the desired recruit category. Contracts placed in DEP are most desirable to NRC so these contracts are assigned a relative cost of one unit. The two increments of direct shippers, $Y1_c$ and $Y2_c$, are less desirable and are assigned increasing costs. The accession deficit, E_a , is the least desirable and is assigned a large penalty cost. The objective function is:

$$MINIMIZE \qquad \sum_{t} \sum_{c} \sum_{a \in H'_{c}} nc_{c} \cdot X_{ca}^{t} + tc_{1} \sum_{c} nc_{c} \cdot Y_{1c} + tc_{2} \sum_{c} nc_{c} \cdot Y_{2c} + cu \sum_{a} E_{a}$$

6. Constraints

a. Accession Goal Attainment

This constraint ensures that the monthly accession goal is attained with the desired confidence level. Contracts are assumed to be independent Bernoulli trials, with a constant probability, p, of <u>not</u> becoming a DEP loss. Applying the Normal Approximation to the Binomial Distribution [Devore 1995, Winston 1991] ensures that the probability of achieving the monthly accession goal is greater than or equal to the

desired confidence level, 1-
$$\alpha$$
. The Normal Approximation is $P(X \le x) = \Phi\left(\frac{x - np}{\sqrt{npq}}\right) \le$

 z_{α} where X is the number of monthly accessions, x is the monthly accession goal, np is the expected number of accessions, \sqrt{npq} is the accession standard deviation and z_{α} is the critical z value for the desired confidence level.

The application of the Normal Approximation to the DEP placement problem resulted in the following terms. First, the monthly accession goal is represented by gl_a . Second, the expected number of monthly accessions is the sum of the expected number of DEP contracts and the two direct shipper increments. Finally, the accession deficit, E_a , is an elastic variable which ensures that the problem always yields a feasible solution in addition to identifying any potential deficits.

$$\frac{gl_{a} - \left(\sum\limits_{t}\sum\limits_{c = \max\{1, a - 12\}}^{\sum} ds^{t}_{(a - c)} nc_{c} \cdot X^{t}_{ca}\right) - \sum\limits_{c} dss_{c} \cdot nc_{c} \cdot \left(Yl_{c} + Y2_{c}\right) - pl_{a} \cdot ps - E_{a}}{SQRT\left[\left(\sum\limits_{t}\sum\limits_{c = \max\{1, a - 12\}}^{a} ds^{t}_{(a - c)} \cdot da^{t}_{(a - c)} \cdot nc_{c} \cdot X^{t}_{ca}\right) + \sum\limits_{c} dss_{c} \cdot daa_{c} \cdot nc_{c} \cdot \left(Yl_{c} + Y2_{c}\right) + pl_{a} \cdot ps \cdot pa\right]}$$

$$\leq z_{\alpha} \qquad \forall a$$

b. NCO Distribution

This constraint ensures that the proportion of the monthly NCO used to develop the placement strategy does not exceed 100%.

$$\sum_{t} \sum_{a \in H_c^t} X_{ca}^t + Y_{1c} + Y_{2c} \le 1.00 \qquad \forall c$$

c. Distribution of Contract Type

These two constraints ensure that the proportion of WF contracts stays within upper and lower bounds set by NRC. Without the upper bound, the model might tend towards Work Force recruits exclusively, because they generally have lower attrition rates than High School recruits. These ratio constraints are converted to linear constraints in the model implementation by multiplying through by the denominator.

$$\frac{\sum_{a \in H_{c}} X_{ca}^{wf}}{\sum_{t} \sum_{a \in H_{c}} X_{ca}^{t}} \ge lb \qquad \forall c$$

$$\frac{\sum_{t} X_{ca}^{wf}}{\sum_{a \in H_{c}} X_{ca}^{t}} \le ub \qquad \forall c$$

d. Direct Shippers

These two constraints ensure that the number of direct shippers stays within the desired limits set by NRC. The two increments are based upon the actual number of direct shippers. It does not adjust the number of direct shippers with respect to level of the monthly level.

$$0 \le nc_c \cdot Y_{l_c} \le dsb_1 \qquad \forall c$$

$$dsb_1 + 1 \le nc_c \cdot (Y1_c + Y2_c) \le dsb_2$$
 $\forall c$

e. Nonnegative Variables

This constraint simply ensures that all variables are nonnegative.

$$0 \le X_{ca}^t, Y_{1c}, Y_{2c}, E_a$$

$$\forall c \text{ and } a \in H_c^t$$

IV. MODEL IMPLEMENTATION AND ANALYSIS

The DEP placement problem described in Chapter IV was implemented using GAMS[Brooke, et al, 1992] on a Pentium 90 personal computer. To ensure that the model always produces a solution, an artificial (or elastic) variable is added to the model. The artificial variable represents the monthly accession deficit that exists if the solution cannot achieve accession goals with the desired confidence level. In the objective function, the accession deficit is assigned a large penalty cost. When the DEP placement problem has a feasible solution, the optimal values for the accession deficit are zero. Otherwise, an optimal solution with non-zero accession deficits indicates months when accession goals are not fulfilled. To make the problem feasible, NRC analysts can increase the NCO distribution until no accession deficit exists.

This chapter describes the data inputs, model outputs and sample analysis associated with the DEP placement model. Section A discusses all of the required data necessary to produce a placement strategy. Section B describes the model outputs and solution reports. Section C provides a sample analysis of the model output.

A. DATA INPUTS

The necessary data for producing a DEP placement strategy was extracted from the FY1996 NRC recruiting plan. Data inputs include the monthly NCO distribution, accession goals, DEP pool inventory and DEP loss profiles. The monthly NCO specifies the number of new enlistment contracts that must be signed in each month. The annual accession goal is the number of recruits that must enter recruit training each month of the coming fiscal year. The monthly accession goal is fulfilled by contracts enrolled in DEP and direct shippers. The DEP pool inventory identifies the number of contracts which were signed during the previous year and are scheduled to contribute to the monthly accession goals. DEP loss profiles predict the likelihood of a recruit attriting from DEP for a given contract month and accession month. Table 3 displays the data inputs extracted from the FY1996 NRC recruiting plan.

	OCT	NOV	DEC	JAN	FEB	MAR
NCO	271	275	286	288	274	289
Accession Goal	250	250	276	286	258	286
DEP pool	250	250	221	182	126	47

	APR	MAY	JUN	JUL	AUG	SEP
NCO	275	277	337	340	341	333
Accession Goal	267	286	307	316	316	281
DEP pool	21	28	139	155	31	12

Table 3. Model Input for FY1996 Recruiting Plan

1. DEP Loss Profiles

To produce a DEP placement model for this thesis, baseline HS and WF DEP loss profiles for each contract month are required. DEP loss profiles provide the DEP loss probability for various DEP lengths. The DEP loss profiles display variability among the FYs which may be caused by changes in recruiting policies or force structure (downsizing). Policy changes including more stringent drug testing and fewer waivers for disciplinary incidents contribute to the variability. To reduce variability and provide a better historical approximation for DEP loss, the baseline profile is constructed using the average DEP loss probability for each contract month during FY1991-94.

2. Estimating DEP Loss

One approach for estimating probabilities is to view the number of DEP losses for a given contract month and DEP length as a binomial random variable with parameters N_{cl} and p_{cl} . Note that the DEP length, l, is the difference between contract and accession months. Here, N_{cl} is the number of contracts in month c with DEP duration l months and p_{cl} is the corresponding probability of DEP loss. Then an unbiased estimator [Devore, 1994] for p_{cl} is given by

$$\stackrel{\wedge}{p}_{cl} = \frac{L_{cl}}{N_{cl}}$$

where L_{cl} is the total number of DEP losses and N_{cl} is the total number of contracts summed over FY1991-94 in month c with DEP duration l months.

B. MODEL OUTPUTS

Using the inputs described above, the resulting optimal solution contains 493 continuous variables, 144 constraints, and 2856 non-zero elements. The problem requires 5.88 cpu seconds on a Pentium 90 personal computer to produce a locally optimal solution. Because different solutions have been obtained by using various starting points, we know that the model is nonconvex. Therefore, we cannot guarantee that the solution produced is globally optimal. The solution consists of the DEP placement strategy, the number of direct shippers and the accession deficit. The DEP placement strategy distributes the monthly NCO among the possible DEP length combinations to ensure that the accession goal is obtained with minimal DEP loss. Should a fractional number of contracts be accessed, or shipped to recruit training, in any month, the result may be rounded

The GAMS implementation of the model summarizes the optimal solution in a report format which can be displayed using any commercial spreadsheet software. The report identifies the placement strategy for HS and WF recruits. Additionally, it annotates the expected number and standard deviation of the monthly accessions and the monthly accession deficits. A complete report can be found in Appendix B. Figure 2 displays an excerpt of the original solution using FY1996 recruiting data. To illustrate, 9.2% of the October NCO should be used to place WF recruits as Direct Shippers in October. Another 18.8% of the October NCO will place WF recruits in DEP until November. It is important to note that HS recruits generally cannot ship to boot camp until after their HS graduations. As a result, HS recruits are not scheduled to ship prior to June.

IS Contracts	OCT EV1	NOV FY1	DEC EVII	IAN EV1		cession Mon		MAY EVII	JUN FY1	IIII EV41	AUG FY1	SEDEV
OCT FY1	0	0	0	0	0	0	0	0	0	0	0.372	JLF F1
NOV FY1	0	0	0	0	0	0		0	0	0.196	0.572	
DEC FY1	0	0	0	0	0	0	0	0	0	0.130	0	
DECTT	٥	١	٦	١	١	١	۲	01	0;	0.57	٠,	
HS Contracts				1444 = 144		cession Mon						
00T EV4		NOV FY2				MAR FY2						
OCT FY1	0	0	0	0	0	-	0	0	0	0	0	
NOV FY1	0.254	0	0	0	0	0	0	0	0	0	0	
DEC FY1	0	0	0	0	0	0	0	0	0	0	0	
Objective Func	tion: 24052	.847										
VF Contracts					Ace	cession Mor	ths					
	OCT FY1	NOV FY1	DEC FY1	JAN FY1	FEB FY1	MAR FY1	APR FY1		JUN FY1	JUL FY1	AUG FY1	
OCT FY1	0	0.188	0	0	0	0	0	0	0.111	0	0	0.15
NOV FY1	0	0	0.192	0.335	0	0	0.023	0	0	0	0	
DEC FY1	0	0	0	0	0.414	0.040	0	0	0	0	0	
WF Contracts					Ac	cession Mor	iths					
	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY
OCT FY1	0	0	0	0	0	0	0	0	0;	0	0	
NOV FY1	0	0	0	0	0	-	0.	0	0:	0	0	
DEC FY1	0	0	. 0	0	0	0	0	0	0	0	0	
Direct Shippers						cession Mor						
		NOV FY1							1			
1st increment	0.092	0	0.087	0.087	0.091	ł.	0.091	0.09	0.074	0.074	0.073	0.07
2nd increment	0.080	0	0.087	0.087	0.091	0.087	0.091	0.09	0.074	0.074	0.073	0.07
Accession Def	icit	1			Ac	 cession Mor	nths	ļ	İ			
		cession Mon										
	OCT FY1	NOV FY1	DEC FY1									
	0	0	0									
Expected Num	ber of Acce	sions										
	Ac	cession Mon	nths									
	OCT FY1	NOV FY1	DEC FY1									
	259.287	259.779	285.453	•								
Standard Devi	ation											
	Ac	cession Mor	nths									
	OCT FY1	NOV FY1	DEC FY1									
	5.646	5.944	5.746									

Figure 2. Sample Output Using FY1996 DEP Placement Data

C. PARAMETRIC ANALYSIS

Three parametric analyses were conducted. The first analysis determines the loss of optimality induced by rounding the fractional number of accessions to the nearest integer. The second analysis gradually increases the monthly NCO until all accession deficits are eliminated with the desired confidence level kept at 95 %. The third analysis determines the minimum confidence level for fulfilling accession goals for each monthly NCO increase used in the first analysis.

1. Integer Rounding of Monthly Accessions

The model implementation allows a fractional number of accessions to be shipped to recruit training in any month. The fractional number of accessions can be rounded to the nearest integer with negligible loss of optimality. To obtain the number of contract

accessions for accession month a, we multiply the NCO from contract month c by the DEP survival probability, $ds^t(a-c)$, and the proportion of contracts scheduled to access in month a, X^tca . The following equation illustrates the approach:

$$accessions = nc_c \cdot ds^t (a - c) \cdot X_{ca}^t$$

To achieve an integer number of contract accessions, X^t_{Ca} must be adjusted. The new value for X^t_{Ca} prime, the proportion of contracts necessary to provide an integer number of accessions, is computed by the following equation:

$$X_{ca}^{t} prime = \frac{round(nc_{c} \cdot ds^{t}(a-c) \cdot X_{ca}^{t})}{nc_{c} \cdot ds^{t}(a-c)}$$

A similar computation is performed for the number of direct shippers. In our computational experiences, we achieved an objective function value of 24052.84. After performing the integer rounding method, the objective function value was 24072.00. Thus, the resulting rounded solution degrades the objective function value by only 0.08 percent.

2. Uniform Increase of Monthly NCO

The NCO was increased by the same percentage each month to determine the necessary NCO levels that fulfill all monthly accession goals with a 95% confidence level. Table 4 provides increased NCO levels, the associated objective function values, and the total monthly accession deficits for the model runs. The objective function value is the sum of the relative recruiting costs with regards to the DEP and direct shipper contracts plus the penalty costs for the accession deficit. Table 4 shows that to eliminate all monthly accession deficits, all monthly NCO levels must be increased by 20%.

Increase of FY1996 NCO	Objective Function Value	Accession Deficit
0.0 %	24,052.84	791.68
10.0 %	20,109.67	584.93
15.0 %	14,249.69	379.74
18.0 %	9,479.40	179.01
19.0 %	5,732.79	21.21
20.0 %	5,143.06	0.00

Table 4. Uniform Increases of FY1996 NCO Levels

This parametric analysis requires all monthly NCOs to increase at the same rate. A more general approach, allowing different size increases, might yield more acceptable results. This avenue of approach is open to further study.

3. Minimum Confidence Levels of Fulfilling Monthly Accession Goals

The uniform increases in the FY1996 NCO were not sufficient to fulfill all monthly goals with a desired confidence level of 95%. However, each NCO level has an associated confidence level for attaining accession goals. For each uniform increase in the monthly NCO, the minimum confidence level, z_{α} , was reduced until all accession deficits were eliminated. Table 5 displays the minimum confidence levels associated with each increase in the NCO levels which eliminate all monthly accession deficits.

Increase of FY1996 NCO	Minimum Confidence Level for Fulfilling Monthly Accession Goals	
0.0 %	0.00 %	
10.0 %	0.00 %	
15.0 %	2.81 %	
18.0 %	51.10 %	
19.0 %	91.62 %	
20.0 %	95.00 %	

Table 5. Minimum Confidence Levels for Increases of FY1996 NCO Levels

V. CONCLUSION

A. SUMMARY

This thesis addresses the problem of determining a DEP placement strategy that achieves monthly accession goals and minimizes overall recruiting costs due to DEP losses. The approach to solving this problem involves two area of operations research: statistics and optimization. The statistical aspect involves estimating DEP loss profiles for HS and WF Nuclear Field recruits. Using the probability estimates, the problem is formulated as a non-linear program which minimizes overall recruiting costs. The constraints within the problem guarantee that the month accession goal is obtained with a desired confidence level. Should the NCO distribution be insufficient to support the accession goal with the desired confidence level, a monthly accession deficit is identified.

The DEP placement model is implemented in GAMS and tested using NF recruit data provided by NRC. The model output includes the NCO placement strategy for a twelve month planning horizon. Additionally, the expected number of monthly accessions is calculated using the binomial assumption.

In addition to providing the optimal DEP placement strategy, the model can be used as a tool to analyze various recruiting policies. In particular, Chapter IV identifies the necessary increase in the FY1996 monthly NCO distribution to achieve all accession goals with a 95% confidence level.

B. AREAS FOR FUTURE RESEARCH

Three topics for future research are presented below. The recommendations for future research are based on application of the DEP placement model developed in this thesis.

1. DEP Placement for Other Recruit Types

The model described in Chapter IV addresses the placement problem only for HS and WF Nuclear Field recruits. The model should be expanded to develop DEP loss profiles and placement strategies for A-school and GenDet recruits. Matos [1994] showed that female recruit DEP loss was higher than their male counterparts. Further analysis can develop a DEP placement strategy for gender type within each category.

2. DEP Placement by Area

The model addresses the DEP placement problem at the NRC headquarters level. The next step in the process is to allocate the monthly NCO at the next level in the hierarchy: the four Areas. DEP loss profiles and the resulting placement strategy should be calculated for each Area.

3. Development of NCO Distribution and DEP Placement Strategy

The model is constructed with the assumption that the monthly NCO, accession goals, and DEP pool levels are provided as inputs to the planning horizon. The development of a model to determine an efficient DEP placement strategy and the monthly NCO should be considered. Since the attainment of the monthly accession goals is the primary concern, a tool that develops the monthly NCO and the associated DEP placement strategy would be more useful to NRC analysts. The current NCO forecasting model results could be compared to the optimization results in order to determine operational feasibility.

4. Development of Alternative Model Formulations

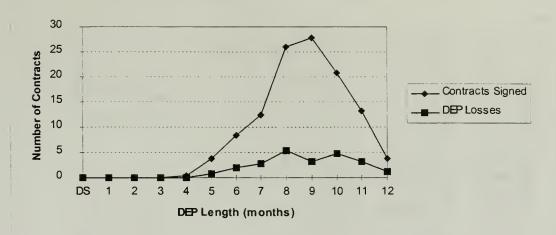
Using the Normal Approximation to ensure achievement of the accession goal resulted in a nonconvex model which produces locally optimal solutions. Alternate model formulations should be investigated that can guarantee a globally optimal solution. The probabilistic nature of DEP lengths and associated recruit categories should remain integral to the approach to accurately forecast DEP attrition throughout the planning horizon.

APPENDIX A. DEP LOSS PROBABILITY PROFILES

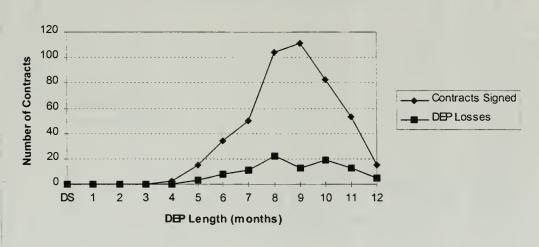
Appendix A displays the DEP loss profiles which provide necessary data to the optimization based DEP placement model developed in Chapter III. DEP loss profiles predict the DEP loss probability for various DEP lengths. For example, the DEP loss profile for HS contracts who signed enlistment contracts in January of FY1992 shows that the probability of DEP loss for a HS recruit with a nine month DEP length is 0.1628. It is important to note that the outliers present in the DEP loss profiles are the result of a small sample size. To illustrate, all three January FY1991 HS contracts with a DEP length of six months became a DEP loss resulting in a DEP loss probability of 1.00. In the event that only one of the three contracts became a DEP loss, the resulting DEP loss probability for a six month DEP length would still have been higher than the January FY1991 HS average of 0.2907. As the sample size increases, the impact of a single contract becoming a DEP loss is reduced.

	Total 86 188 120 73 467	Total 25 32 26 11 94	Total 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.00000 1.00000 1.00000000
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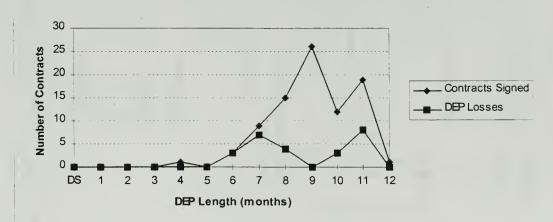
Average FY91-94 January HS Contracts

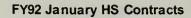


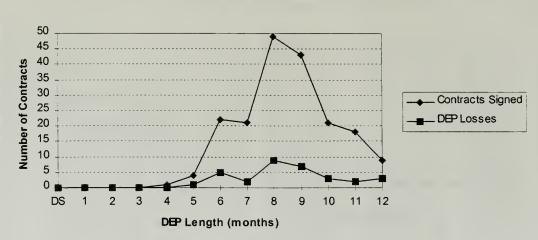
Total FY91-94 January HS Contracts



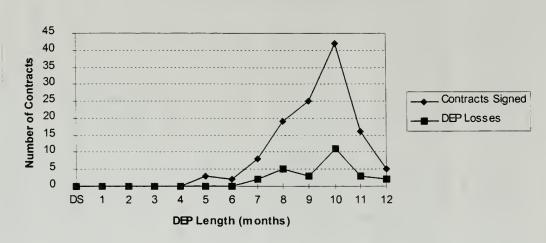
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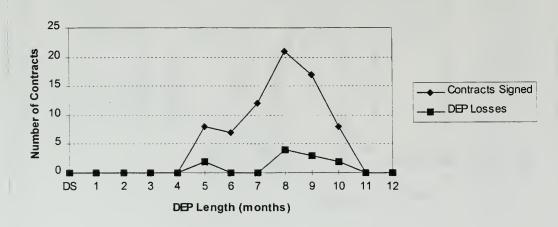




FY93 January HS Contracts



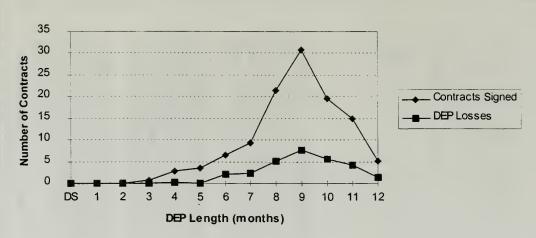
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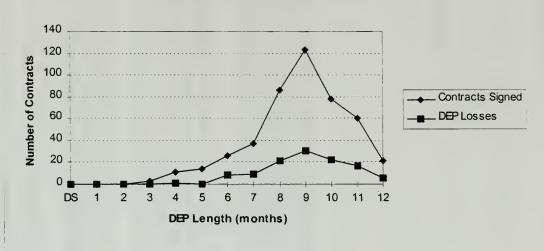
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Cont	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	PP Length Distribution FY 91 FY 92 FY 93 FY 94 Average DEP Length Distribution	FY 91 FY 92 FY 93 FY 94 FY 94	95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]
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NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

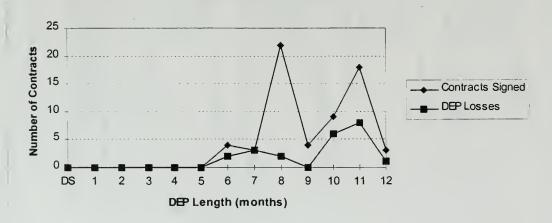
Average FY91-94 February HS Contracts



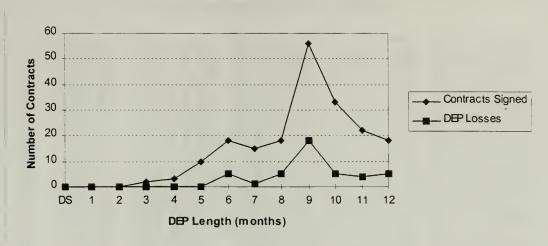
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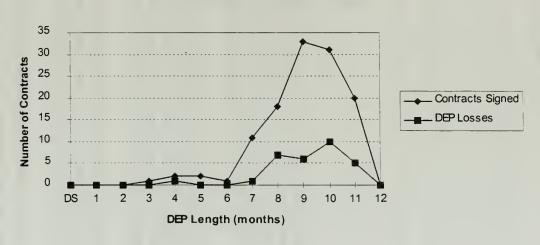
FY91 February HS Contracts



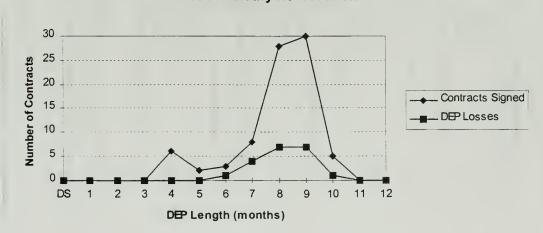
FY92 February HS Contracts



FY93 February HS Contracts



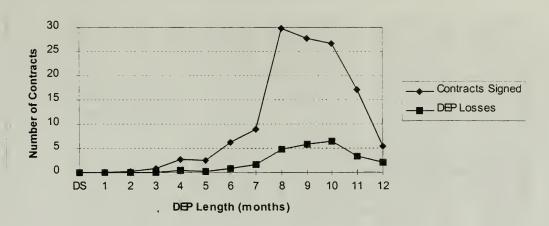
FY94 February HS Contracts



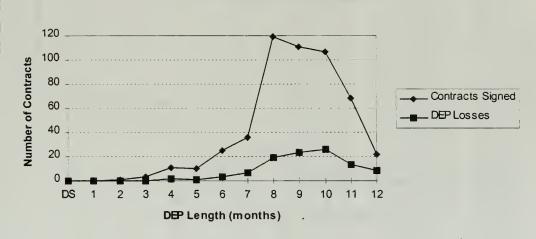
	Total 125 136 162 90 513	Total 20 22 37 23 102	Total 1.0000 1.0000 1.0000 1.0000	Total 0.1600 0.1618 0.2284 0.2556 0.1988	Total 0.2334 0.1988 0.1643
	4 4 4 4 4 4 0 0 0 0 2 2 2 2 2 2 2 2 2 2	0 4 4 0 8	12 0.0320 0.0588 0.0617 0.0000	12 0.0000 0.5000 0.4000 0.0000 0.3636	12 0.5647 0.3636 0.1626
	112 113 31 12 12 68	11 8 6 1 3	0.0960 0.0956 0.1914 0.1333 0.1326	11 0.2500 0.0769 0.1935 0.2500 0.1912	0.2846 0.1912 0.0977
	10 28 37 29 13	10 10 5 26	10 0.2240 0.2721 0.1790 0.1444 0.2086	10 0.0357 0.2703 0.3448 0.3846 0.2430	10 0.3243 0.2430 0.1617
	9 24 27 49 111	9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	9 0.1920 0.1985 0.3025 0.1222 0.2164	9 0.1667 0.1481 0.2245 0.3636 0.2072	9 0.2826 0.2072 0.1318
	8 41 25 27 26 119	8 8 2 5 5 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	8 0.3280 0.1838 0.1667 0.2889 0.2320	8 0.2195 0.0800 0.0741 0.2308 0.1597	8 0.2255 0.1597 0.0939
onths)	7 12 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3 3 7 7	7 0.0800 0.0588 0.0741 0.0667	7 0.3000 0.0000 0.2500 0.1667 0.1944	7 0.3237 0.1944 0.0652
DEP Length (months)	6 6 6 13 25	32 - 00	6 0.0160 0.0441 0.0247 0.1444 0.0487	6 0.0000 0.0000 0.2500 0.1538 0.1200	6 0.2474 0.1200 0.0000
DEP Le	c - c 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2000	5 0.0080 0.0368 0.0000 0.0444 0.0195	5 0.0000 0.0000 0.0000 0.2500 0.1000	5 0.2859 0.1000 0.0000
	4 2 0 0 8 1	40-0-4	4 0.0160 0.0441 0.0333 0.0333	4 0.0000 0.1667 0.0000 0.3333 0.1818	0.0000
	w 0 + 0 %	m 0 0 0 0 0	3 0.0000 0.0074 0.0022 0.0222 0.0058	3 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
	7 0 0 0 7	700000	2 0.0080 0.0000 0.0000 0.0000	2 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
	-00000	-00000	0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
cts	00000	0000	DS 0.0000 0.0000 0.0000 0.0000	DS 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 P Loss]	ip Lossij
March High School (HS) Contra	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 FY 94 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss]	95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

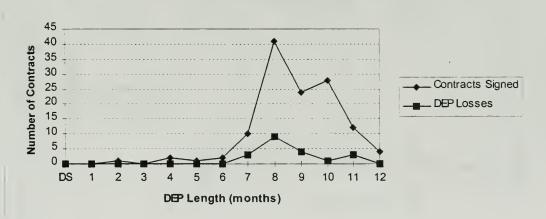
Average FY91-94 March HS Contracts



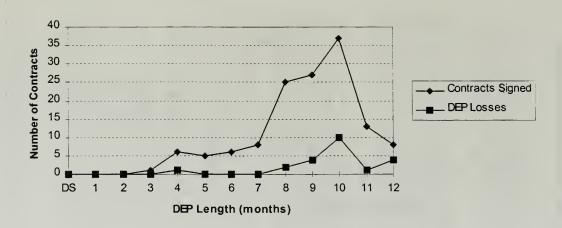
Total FY91-94 March HS Contracts



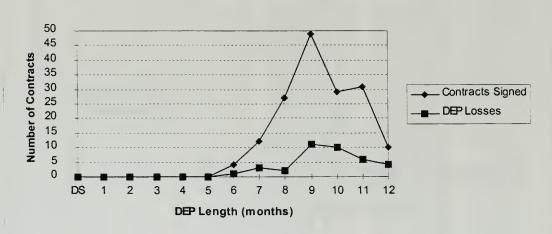
FY91 March HS Contracts



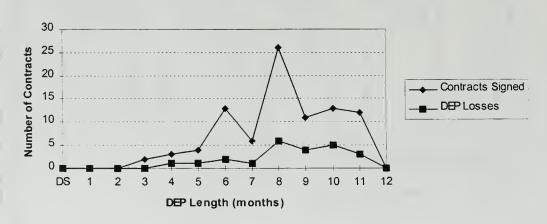
FY92 March HS Contracts



FY93 March HS Contracts



FY94 March HS Contracts

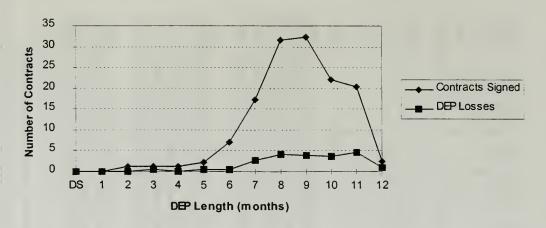


	Total 156 193 131 76 556	20 28 29 10 87	Total 1.0000
	27 - 2 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	00004	12 0.0064 0.0259 0.0305 0.0000 0.0180 0.4000 0.4000 0.4000 0.4000 0.4000 0.4000 0.0064
	11 24 33 24 1 82	7 8 8 0 8	0.1538 0.01710 0.1832 0.0132 0.0132 0.01475 0.0833 0.0000 0.2195 0.2195 0.1299
	10 27 31 27 3 88	10 1 10 10 10 10 10 10 10 10 10 10 10 10	10 0.1731 0.1606 0.2061 0.0395 0.1583 0.1258 0.2252 0.3333 0.1705 0.0919
	9 39 50 12 129	6 - 4 4 - 9	9 0.2500 0.2591 0.2137 0.1579 0.1795 0.0800 0.0833 0.0833 0.1240 0.1240 0.0671
	8 36 33 15 15	8 8 8 9 0 1/1	8 0.2692 0.1865 0.2519 0.1975 8 0.1905 0.0000 0.0000 0.1349 0.1349 0.0753
onths)	7 10 23 8 8 8 69	7 0 8 0 8 1	7 0.0641 0.192 0.0611 0.3684 0.1241 7 7 0.0000 0.2857 0.1594 7 7 7 7 0.1594 0.1594
DEP Length (months)	6 7 7 13 28	2 0 0 7 7	6 0.05513 0.00563 0.00564 0.1711 0.0504 0.0000 0.0000 0.00714 0.00000 0.00000
DEP L	w 0 → w v	. 0 - 0 2	5 0.0128 0.0125 0.0162 0.0162 5 0.0000 0.0000 0.2222 5 0.2222 0.0000
	4 0 0	400000	4 0.0052 0.0052 0.0056 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
	e 0 2 2 + 2	m 0000	3 0.0000 0.0153 0.0153 0.0000 0.0000 0.0000 0.4000 0.0000 0.0000 0.0000 0.0000 0.0000
	20-100	00000	2 0.0128 0.00164 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000
	-00000	-00000	- 0.00000000000000000000000000000000000
S	00000	00000	DS 0.000000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.0000 0.0
ıtract	FY 91 FY 92 FY 93 FY 94 ontracts	FY 91 FY 92 FY 93 FY 94 FY 94	FY 91 FY 93 FY 94 FY 92 FY 93 FY 93 FY 93 FY 94 FY 93 FY 93 FY 93 FY 93 FY 93 FY 93 FY 93 FY 94 FY 95 FY 93 FY 94 FY 95 FY 93 FY 94 FY 95 FY 93 FY 94 FY 95 FY 95
April High School (HS) Contracts	Contracts Signed FY 91 FY 92 FY 93 FY 93 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 93 FY 94 Total DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 94 Average DEP Length Distribution Prob[DEP Loss] FY 94 FY 94 Average Prob[DEP Loss]

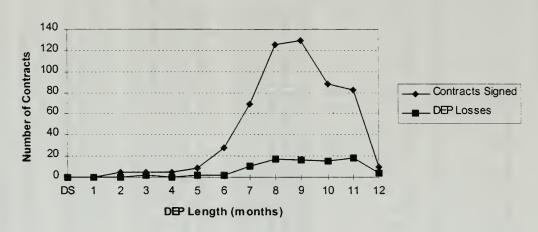
NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

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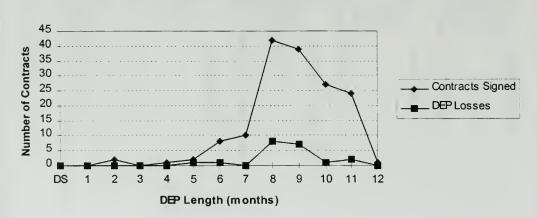
Average FY91-94 April HS Contracts



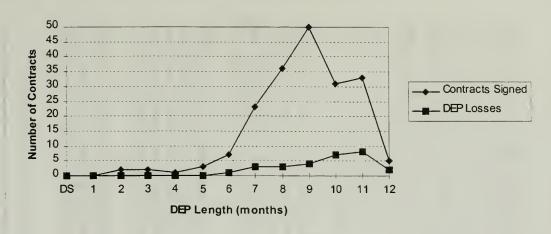
Total FY91-94 April HS Contracts



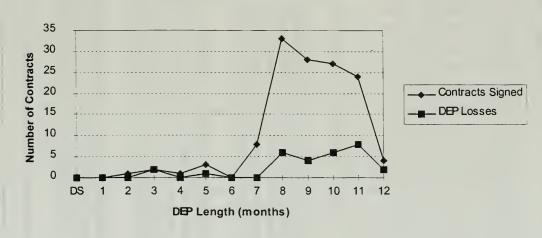
FY91 April HS Contracts



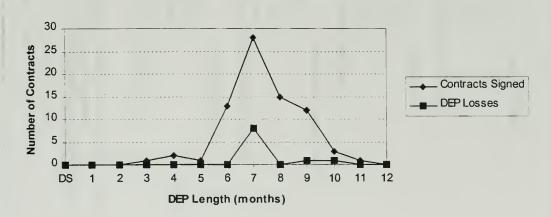
FY92 April HS Contracts



FY93 April HS Contracts

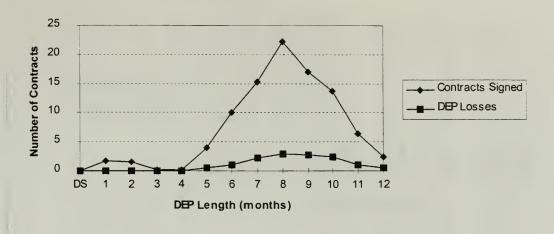


FY94 April HS Contracts



	Total 112 127 82 59 380	Total 19 17 12 6	Total 1.0000 1.0000 1.0000 1.0000	Total 0.1696 0.1339 0.1463 0.1017	Total 0.1772 0.1421 0.1070
	27 8 4 8 9 0 0 10 10 10 10 10 10 10 10 10 10 10 10	12 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0.0268 0.0315 0.0366 0.0000	12 0.3333 0.0000 0.3333 0.0000	12 0.4479 0.2000 0.0000
	113 7 7 26 26	0 4 0 0 4	11 0.0536 0.1024 0.0854 0.0684	0.0000 0.3077 0.0000 0.0000 0.1538	0.2925 0.1538 0.0152
	10 23 20 8 8 4 4	10 2 2 2 10	10 0.2054 0.1575 0.0976 0.0678 0.1447	10 0.1739 0.1000 0.2500 0.5000 0.1818	10 0.2838 0.1818 0.0799
	9 13 13 68 89	9 9 3 3 1 1 1 1 1	9 0.1607 (0.2598 (0.1585 (0.0678 (0.1789 (9 0.3333 (0.0909 0.0909 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	9 0.2493 (0.0742) (0.0742) (1.00)
	8 221 10 89	8 1 1 12	8 0.2679 C 0.1654 C 0.3415 C 0.1695 C	8 0.2000 C 0.0476 C 0.1786 C 0.0000 C	8 0.2058 0 0.1348 0 0.0639 0
nths)	7 19 61 18 18	V 4 + 0 0	7 0.1607 0 0.1496 0 0.0732 0 0.3051 0	7 0.1111 0 0.2105 0 0.1667 0 0.1111 0	7 0.2365 0 0.1475 0 0.0585 0
gth (mo	6 6 7 7 7 40 40	0 0 7 - 1 - 4	6 0.0536 0 0.0709 0 0.0854 0 0.3051 0	6 0.0000 0 0.2222 0 0.1429 0 0.0556 0	6 0.1930 0 0.1000 0 0.0070 0
DEP Length (months)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 - 0 - 0	5 0.0446 0 0.0236 0 0.0366 0 0.0847 0	5 0.0000 0 0.3333 0 0.0000 0 0.2000 0 0.1250 0	DS 1 2 3 4 5 6 7 8 9 10 11 12 0.00000 0.0
	4 - 0 0 0 -	4 0 0 0 0 0	4 0.0089 0 0.0000 0 0.0000 0 0.0000 0	4 0.0000 0.0000 0.0000 0.0000 0.0000 0	0.0000 0 0.0000 0 0.0000 0
	e 0 - 0 0 -	m 0 0 0 0 0	3 0.0000 0.0079 0.0000 0.0000 0.0026	3 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	3 0.0000 0 0.0000 0 0.0000 0
	0 0 3 2 - 2	20000	2 0.0089 0. 0.0157 0. 0.0366 0. 0.0000 0.	2 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	2 0.0000 0 0.0000 0 0.0000 0
	1 - 2 4 0 7	+00000	1 0.0089 0. 0.0157 0. 0.0488 0. 0.0000 0.	0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.0000 0 0.0000 0 0.0000 0
	800000	800000	88888	DS 0.00000 0.00000 0.00000 0.00000 0.00000	DS represe
cts]			
ontra	Q	P Losses	' <u> </u>	<u>₩</u>	OB[DEP
1S) C	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses Total DEF	Distribu P Lengtl	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss	ound for Prob[DEP Loss Average Prob[DEP Loss ound for Prob[DEP Loss NOTE:
1) 100	Contra	_	DEP Length Distribution FY 91 FY 92 FY 93 FY 94 Average DEP Length Distributior	Prok Ave	er Boun Ave er Boun
1 Sch			DEP		95 % CI Upper Bound for Prob[DEP Loss Average Prob[DEP Loss 95 % CI Lower Bound for Prob[DEP Loss
May High School (HS) Contracts					95 %
May					

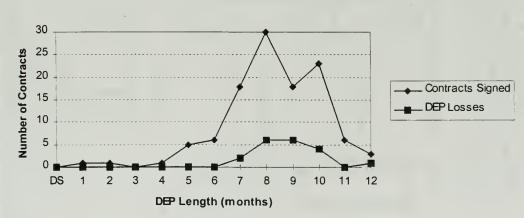
Average FY91-94 May HS Contracts



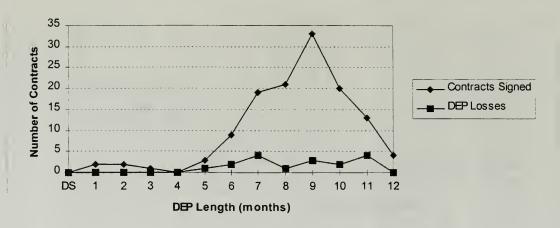
Total FY91-94 May HS Contracts



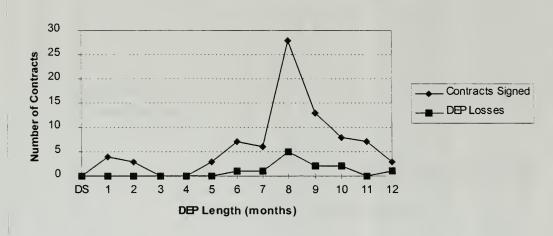
FY91 May HS Contracts



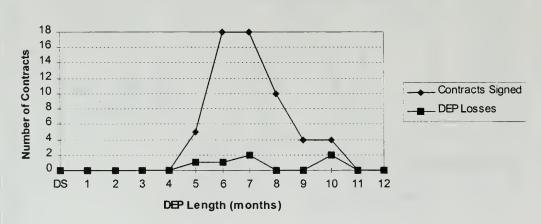
FY92 May HS Contracts



FY93 May HS Contracts



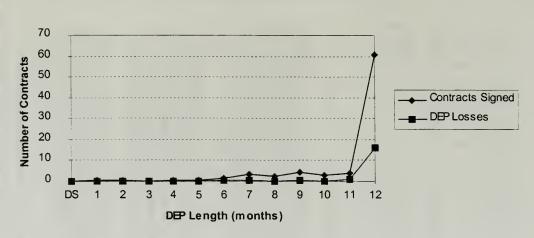
FY94 May HS Contracts



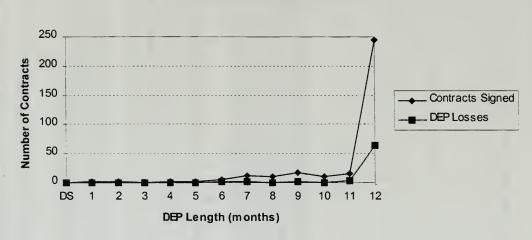
	Total 96 105 87 36 324	23 20 21 8 8 72	Total 1.0000 1.0000 1.0000 1.0000	Total 0.2396 0.1905 0.2414 0.2222	Total 0.2675 0.2222 0.1770
	12 77 66 68 33 244	21 15 21 8 8 65	12 0.8021 0.6286 0.7816 0.9167 0.7531	12 0.2727 0.2273 0.3088 0.2424 0.2664	2 3 4 5 6 7 8 9 10 11 12 0.0000 0.0000 0.0000 0.0000 0.04649 0.2218 0.0000 0.2563 0.0000 0.3788 0.3219 0.0000 0.0000 0.0000 0.0000 0.06769 0.0000 0.1875 0.2664 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2664
	t c - 4 0 91	1 - 2 0 0 8	10 0.0340 0.0340 0.0494 10 0.0340 10 11 0.0494 11 0.0340 0.0494	10 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.0000
	0 2 2 10 11	900000		0.0000000000000000000000000000000000000	0.0000
	e - 13 - 81 - 81	6 0 0 0 0 0	9 0.0104 0.1238 0.0345 0.0278 0.0556	9 0.0000 0.0000 0.0000 0.1538 0.0000 0.0000 0.0000 0.0000	9 0.2563 0.1111 0.0000
	8 4 4 7 0 0	800000	8 0.0417 0.0381 0.0230 0.0000 0.0309		8 0.0000 0.0000 0.0000
onths)	7 2 8 3 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	r - 0 0 0 1	6 7 8 9 0.0208 0.0208 0.0417 0.0104 0.0190 0.0286 0.0381 0.1238 0.0115 0.0920 0.0230 0.0345 0.0278 0.0000 0.0000 0.0278 0.0185 0.0401 0.0309 0.0556	7 0.5000 0.0000 0.0000 0.0000	7 0.2218 0.0769 0.0000
DEP Length (months)	0 2 0	907007	6 0.0208 0.0190 0.0115 0.0278 0.0185	6 0.0000 0.0000 0.0000 0.1667	6 0.4649 0.1667 0.0000
DEP Le	m 000	v 00000	5 0.0000 0.0000 0.00278 0.0031	6 0.0000 0.0000 0.0000 0.0000	5 0.0000 0.0000 0.0000
	4 0 0 2	4 00000	4 0.0104 0.0005 0.0000 0.0062	4 0.0000 0.0000 0.0000 0.0000	0.0000
	m 0 0 0 0 0	m 00000	0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000 0.0000	0.0000
	7 0 0 7	00000	2 0.0104 0.0095 0.0000 0.0000	2 0.0000 0.0000 0.0000 0.0000	0.0000
	-0-00-	-00000	0.0000 0.0000 0.0000 0.0000 0.0001	0.0000	0.0000
(0)	00000	00000	DS 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
tracts	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses			
June High School (HS) Contrac	ntracts Signed FY 91 FY 92 FY 93 FY 93 FY 94	DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss]	95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]
(HS)	Contracts Signed	DEP L	Distri	b[DEP	nd for F erage F nd for F
100	Contr		ength	Pro	r Bour Ave r Bour
Sch			DEP L		l Uppe
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NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

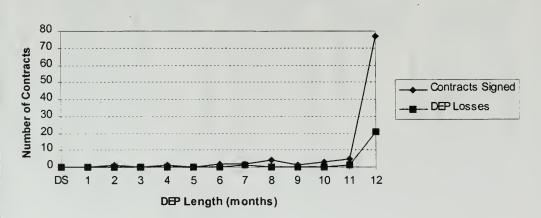
Average FY91-94 June HS Contracts



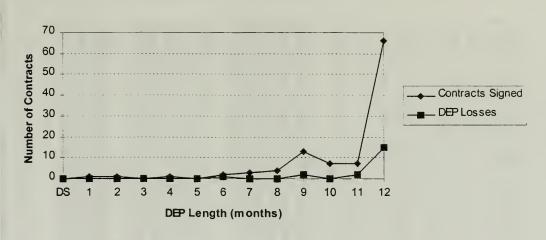
Total FY91-94 June HS Contracts



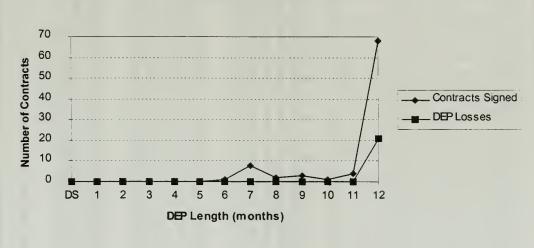
FY91 June HS Contracts



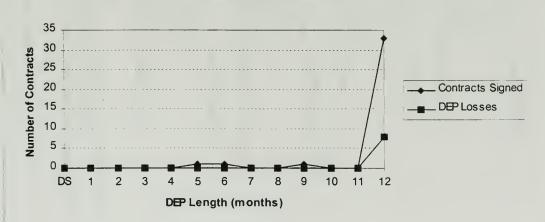
FY92 June HS Contracts



FY93 June HS Contracts

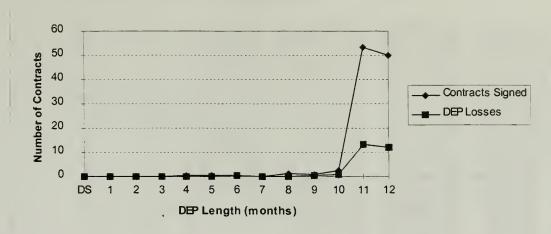


FY94 June HS Contracts

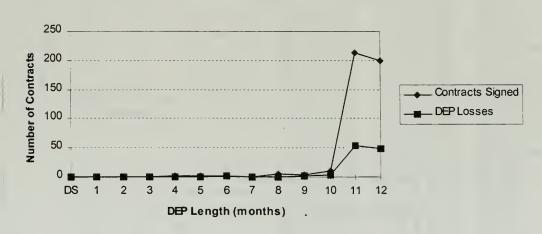


	Total 129 145 102 59 435	Total 32 36 21 19 108	Total 1.0000 1.0000 1.0000 1.0000	Total 0.2481 0.2059 0.3220 0.2483	Total 0.2889 0.2483 0.2077
	12 57 47 63 33 200	41 6 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	12 0.4419 0.3241 0.6176 0.5593 0.4598	12 0.2456 0.1915 0.2222 0.3636 0.2450	12 0.3046 0.2450 0.1854
	65 89 33 26 213	11 15 27 5 7 54	11 0.5039 0.6138 0.3235 0.4407 0.4897	11 0.2308 0.3034 0.1515 0.2692 0.2535	11 0.3119 0.2535 0.1951
	2 2 2 0 0	00000	10 0.0388 0.0138 0.0294 0.0000 0.0230	10 0.6000 0.0000 0.0000 0.3000	10 0.5840 0.3000 0.0160
	6 - 0 - 0 - 4	600-0-	9 0.0078 0.0138 0.0098 0.0000	9 0.0000 1.0000 0.0000 0.2500	9 0.6744 0.2500 0.0000
	8 - 8 - 0 5	800000	8 0.0078 0.0207 0.0098 0.0000	8 0.0000 0.0000 0.0000 0.0000	8 0.0000 0.0000 0.0000
onths)	00000	, 00000	7 0.0000 0.0000 0.0000 0.0000	7 0.0000 0.0000 0.0000 0.0000	7 0.0000 0.0000 0.0000
DEP Length (months)	9 0 7 0 7	90000	6 0.0000 0.0000 0.0098 0.0000 0.0023	6 0.0000 1.0000 0.0000 1.0000	6 1.0000 1.0000 1.0000
DEP Le	0 1 0 0 1	r 00000	5 0.0000 0.0069 0.0000 0.0000	5 0.0000 0.0000 0.0000 0.0000	DS 1 2 3 4 5 6 7 8 9 10 11 12 0.0000 0
	401001	400000	4 0.0000 0.0069 0.0000 0.0000	4 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
	m 00000	m 00000	0.0000 0.0000 0.0000 0.0000 0.0000	3 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
	00000	00000	2 0.0000 0.0000 0.0000 0.0000	2 0.0000 0.0000 0.0000 0.0000	0.0000 0.0000 0.0000
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racts	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 P Loss]	P Loss] P Loss] P Loss]
July High School (HS) Contract	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 FY 94 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 FY 94 Average Prob[DEP Loss]	DS 95 % CI Upper Bound for Prob[DEP Loss] 0.0000 Average Prob[DEP Loss] 0.0000 95 % CI Lower Bound for Prob[DEP Loss] 0.0000

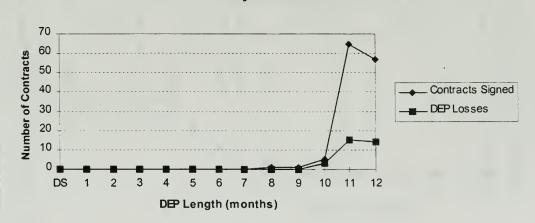
Average FY91-94 July HS Contracts



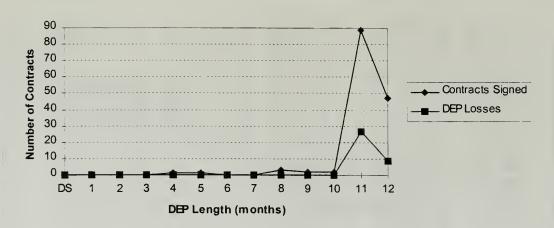
Total FY91-94 July HS Contracts



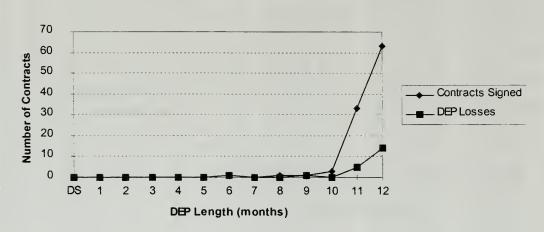
FY91 July HS Contracts



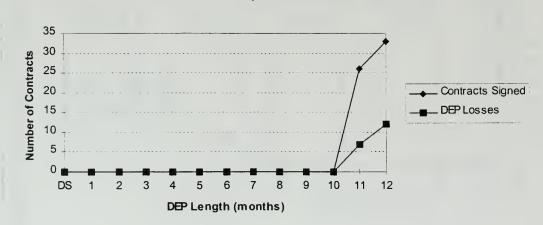
FY92 July HS Contracts



FY93 July HS Contracts

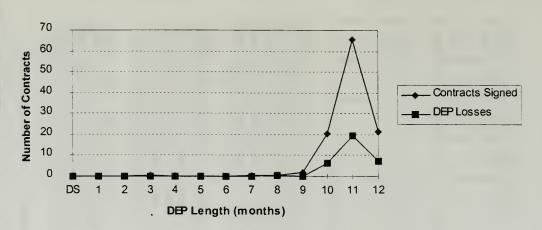


FY94 July HS Contracts

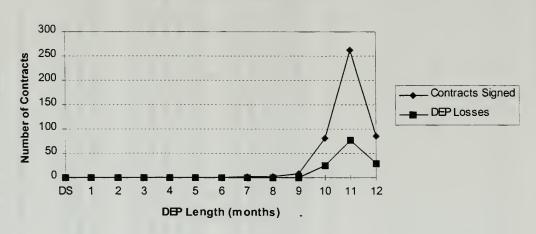


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8		=	s) FY (FY (FY (FY (FY (DEP Loss) DEP Loss) DEP Loss) NOTE:
Contracts Signed Total FY91-94 (DEP Losses	DEP Length Distribution Average DEP Length Di	Prob[DEP Loss Average Prob[D	95 % CI Upper Bound for Prob[DEP Los Average Prob[DEP Los 95 % CI Lower Bound for Prob[DEP Los
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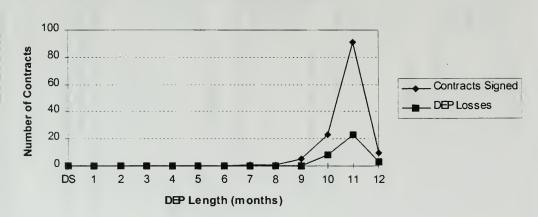
Average FY91-94 August HS Contracts



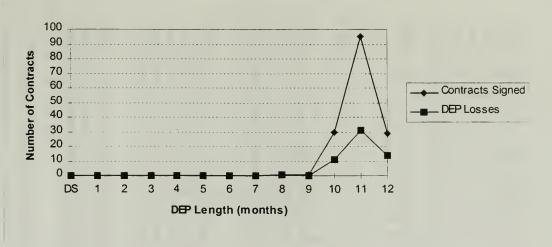
Total FY91-94 August HS Contracts



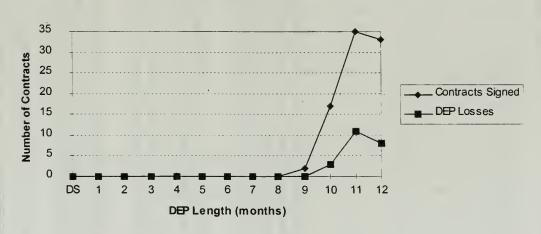
FY91 August HS Contracts



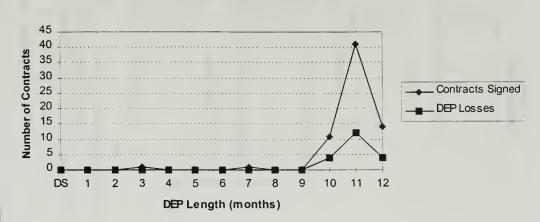
FY92 August HS Contracts



FY93 August HS Contracts

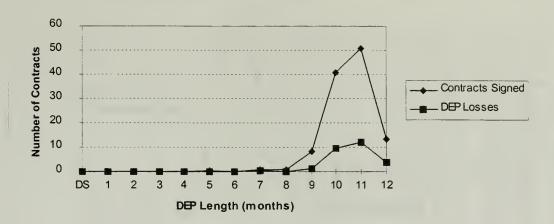


FY94 August HS Contracts

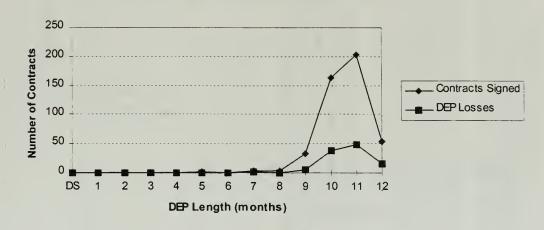


September High School (HS) Col	S) Con	ntracts	S													
							DEP Le	DEP Length (months)	onths)							
Contracts Signed		DS	-	7	က	4	2	9	7	8	6	10	1	12	Total	
	FY 91 ☐	0	0	0	0	0	1	0	0	1	12	55	72	တ	150	
	FY 92	0	0	0	0	0	0	0	-	0	9	49	99	30	152	
	FY 93	0	0	0	0	0	0	0	2	-	_	27	42	7	06	
	FY 94	0	0	0	0	0	0	0	0	-	ω	32	23	4	89	
Total FY91-94 Contracts	ontracts	0	0	0	0	0	1	0	3	3	33	163	203	54	460	
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	FY 92	0	 0	0	0	 o	0	 -	_ >	>		2	2	χo .	4	
	FY 93	0	0	0	0	0	0	0	7	0	-	9	-	7	55	
	FY 94	0	0	0	0	0	0	0	0	0	0	_	က	7	4	
Total DEP Losses	Losses	0	0	0	0	0	0	0	7	0	2	38	49	15	109	
	J															
DEP Length Distribution		DS	-	7	က	4	ည	9	7	æ	6	0	11	12	Total	
	FY 91	0.0000	0.0000	0.0000	0.0000	0.000.0	0.0067	0.000.0	0.0000	0.0067	0.0800	0.3667	0.4800	0.0600	1.0000	
				0.000.0	0.0000	0.000.0	0.000.0	0.000.0	0.0066	0.0000	0.0395	0.3224	0.4342	0.1974	1.0000	
			_				0.000.0	0.000.0	0.0222	0.0111	0.0778	0.3000	0.4667	0.1222	1.0000	
						0.000.0	0.000.0	0.000.0	0.000.0	0.0147	0.1176	0.4706	0.3382	0.0588	1.0000	
Average DEP Length Distribution							0.0022	0.0000	0.0065	0.0065	0.0717	0.3543	0.4413	0.1174	1.0000	
	,															
Prob[DEP Loss]		DS	-	7	က	4	S.	9	7	8	6	10	11	12	Total	
	FY 91	0.0000	0.000.0	0.000.0	0.0000	0.000.0	0.0000	0.000.0	0.000.0	0.000.0	0.0833	0.2727	0.1806	0.3333	0.2133	
		0.0000	0.000.0	0.0000	0.0000	0.0000	0.0000	0.000.0	0.0000	0.0000	0.5000	0.2041	0.3030	0.2667	0.2697	
		0.000.0	0.000.0	0.000.0	0.0000	0.000.0	0.000.0	0.000.0	1.0000	0.0000	0.1429	0.2222	0.2619	0.1818	0.2444	
		0.000.0	0.000.0	0.0000	0.000.0	00000	0.000.0	0.000.0	0.0000	0.000.0	0.0000	0.2188	0.2174	0.5000	0.2059	
Average Prob[DEP Loss]		0.0000	0.000.0	0.000.0	0.000.0	0.000.0	0.000.0	0.000.0	0.6667	0.0000	0.1515	0.2331	0.2414	0.2778	0.2370	
	3															
		DS	-	7	က	4	2	9	7	8	6	10	11	12	Total	
95 % CI Upper Bound for Prob[DEP Loss]		0.000.0						0.0000	1.0000	00000	0.2738	0.2980	0.3002	0.3972	0.2758	
Average Prob[DEP Loss]		0.0000.0	0.0000	0.000.0	_			0.000.0	0.6667	0.000.0	0.1515	0.2331	0.2414	0.2778	0.2370	
95 % CI Lower Bound for Prob[DEP Loss]		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1332	0.0000	0.0292	0.1682	0.1825	0.1583	0.1981	
					Ć	:					1	1	, die	4		
	NOTE: D	S repre	DS represents Direct Shippers. US recruits are shipped to recruit training during the contract signing month.	ect Ship	pers. D	S recruit	s are sn	ipped to	recruit	raining o	uring the	contrac) Signing			_

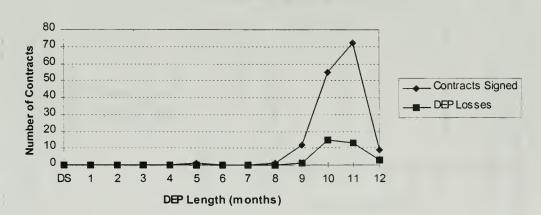
Average FY91-94 September HS Contracts

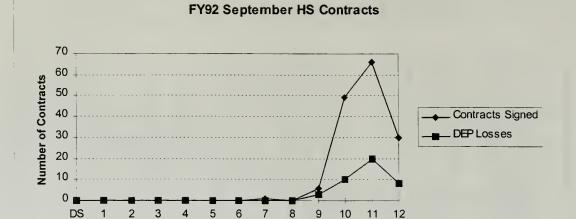


Total FY91-94 September HS Contracts



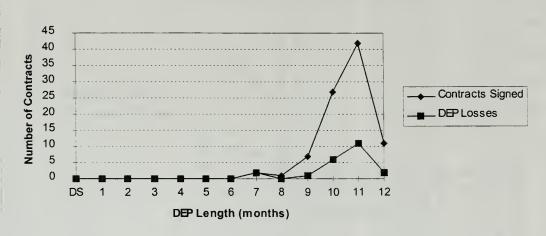
FY91 September HS Contracts



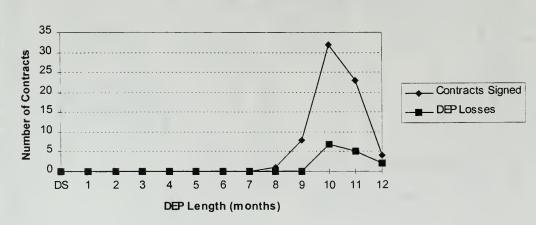


FY93 September HS Contracts

DEP Length (months)

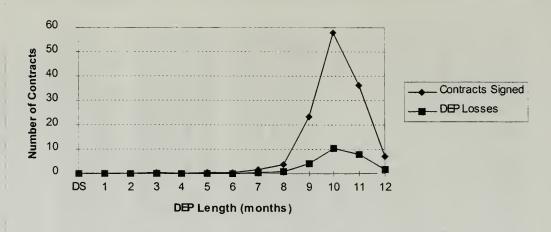


FY94 September HS Contracts

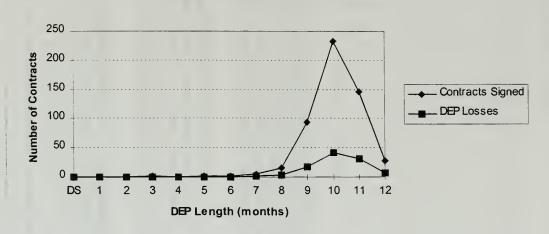


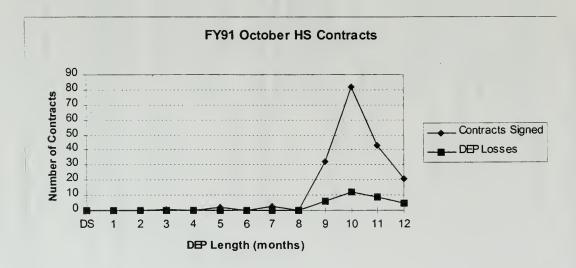
Cts DEP Length (months)	DS 1 2 3 4 5 6 7 8 9 10 11 12 Total 0 0 0 0 0 0 3 0 32 82 43 21 184 0 0 0 0 0 0 1 6 31 46 55 3 142 0 0 0 0 0 0 1 2 14 60 35 4 116 0 0 0 0 0 0 2 1 7 16 44 12 0 82 0 0 0 0 0 0 2 1 7 16 44 12 0 82 0 0 0 0 0 2 1 7 16 44 12 0 82 0 0 0 0	DS 1 2 3 4 5 6 7 8 9 10 11 12 Total 0 0 0 0 0 0 0 0 0 1 3 6 9 14 2 35 0 0 0 0 0 0 0 0 1 3 6 9 14 2 35 0 0 0 0 0 0 0 0 2 11 7 0 20 0 0 0 0 0 0 0 0 1 3 9 1 0 13 0 0 0 0 0 0 0 0 0 1 3 17 41 31 7 100	DS 4 5 6 7 8 9 10 11 12 Total 0.0000	DS 1 2 3 4 5 6 7 8 9 10 11 12 Total 1.0000 0.	DS 1 2 3 4 5 6 7 8 9 10 11 12 Total 0.0000 0.
tracts			DS 1 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	DS 1 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	DS 1 0.0000 0.0000 0 0.0000 0.0000 0 0.0000 0.0000 DS represents Dire
October High School (HS) Contrac	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 94 Total FY91-94 Contracts	- 2 E 4 N	DEP Length Distribution FY 91 0.0 FY 92 0.0 FY 93 0.0 FY 94 0.0 FY	Prob[DEP Loss]	DS 95 % CI Upper Bound for Prob[DEP Loss] 0.0000 Average Prob[DEP Loss] 0.0000 95 % CI Lower Bound for Prob[DEP Loss] 0.0000

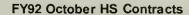
Average FY91-94 October HS Contracts

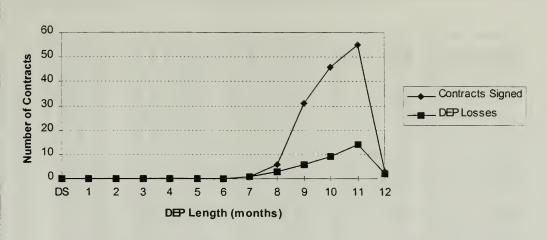


Total FY91-94 October HS Contracts

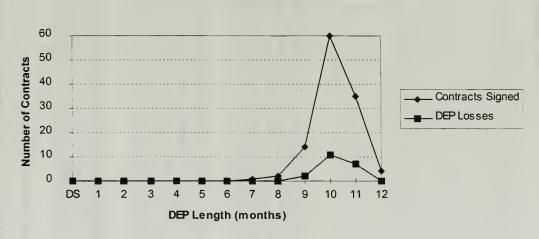




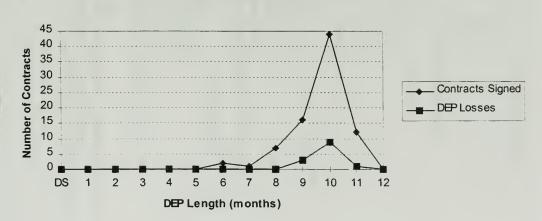




FY93 October HS Contracts

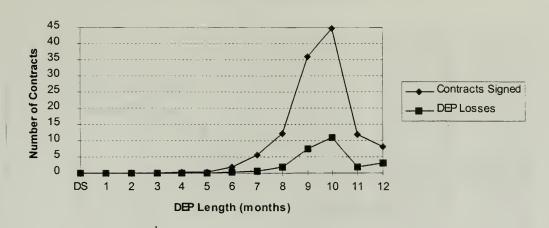


FY94 October HS Contracts

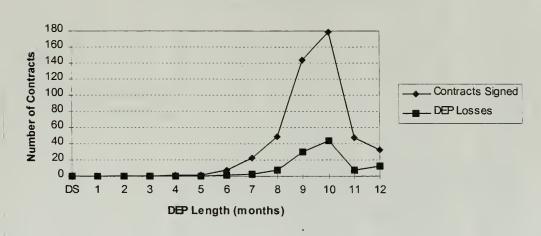


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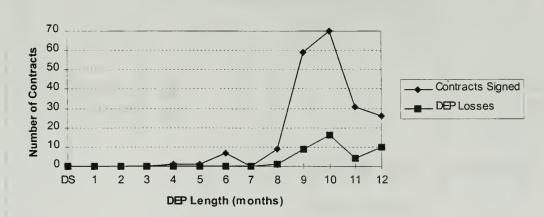
Average FY91-94 November HS Contracts



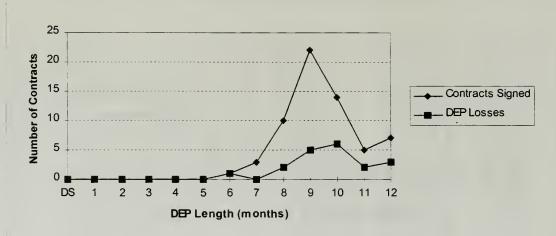
Total FY91-94 November HS Contracts



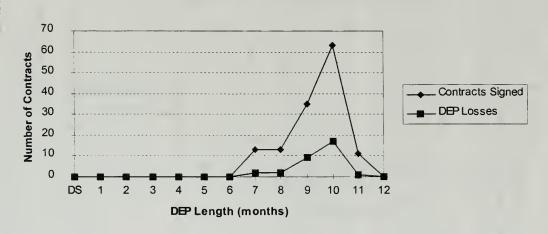
FY91 November HS Contracts



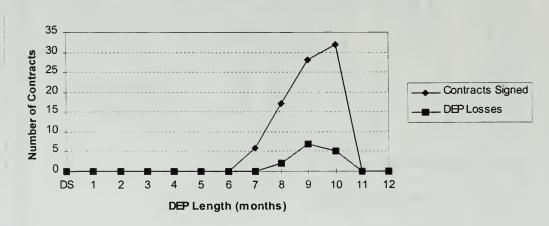
FY92 November HS Contracts



FY93 November HS Contracts



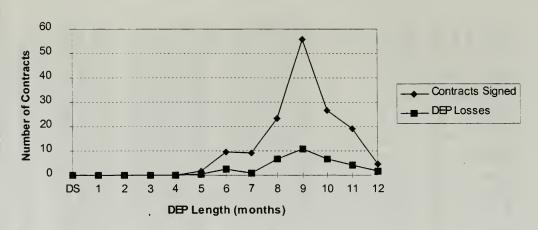
FY94 November HS Contracts



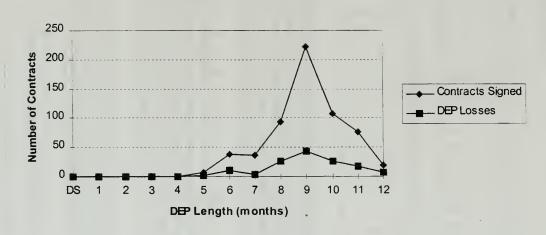
	Total 149 204 149 100 602	32 41 34 26 133	Total 1.0000 1.0000 1.0000 1.0000	Total 0.2148 0.2010 0.2282 0.2600 0.2209	Total 0.2541 0.2209 0.1878
	10 0 0 10 10 10 10 10 10 10 10 10 10 10	25 20 00 7	12 0.1074 0.0147 0.0000 0.0000 0.0316	12 0.3125 0.6667 0.0000 0.0000 0.3684	12 0.5853 0.3684 0.1515
	11 35 16 26 0	11 10 2 2 0 0 17	11 0.2349 0.0784 0.1745 0.0000 0.1279	0.2857 0.1250 0.1923 0.0000 0.2208	11 0.3134 0.2208 0.1281
	10 24 42 37 4 107	10 7 10 10 26	10 0.1611 0.2059 0.2483 0.0400 0.1777	10 0.2917 0.1905 0.2703 0.2500 0.2430	10 0.3243 0.2430 0.1617
	9 70 46 55 223	9 13 14 14 14 14 14 14 14 14 14 14 14 14 14	9 0.3490 0.3431 0.3087 0.5500 0.3704	9 0.1731 0.1857 0.2174 0.2000 0.1928	9 0.2446 0.1928 0.1410
	8 16 16 16 16 16 16 16 16 16 16 16 16 16	8 - 13 - 26	8 0.1074 0.2010 0.1007 0.2200 0.1561	8 0.0625 0.3171 0.2667 0.3636 0.2766	8 0.3670 0.2766 0.1862
onths)	7 2 1 2 3 8 8 7 2 3 3 7	r 0 e	7 0.0201 0.0588 0.0940 0.0800 0.0615	7 0.0000 0.0833 0.0714 0.1250 0.0811	7 0.1690 0.0811 0.0000
DEP Length (months)	6 17 11 38	0 - 4 5 0	6 0.0000 0.0833 0.0671 0.1100 0.0631	6 0.0000 0.0588 0.4000 0.4545 0.2632	6 0.4032 0.2632 0.1231
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Cor	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 PLOSS	P Loss] P Loss] P Loss]
December High School (HS) Contracts	Contracts Signed FY 91 FY 92 FY 93 FY 93 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 93 FY 94 Total DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss]	95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

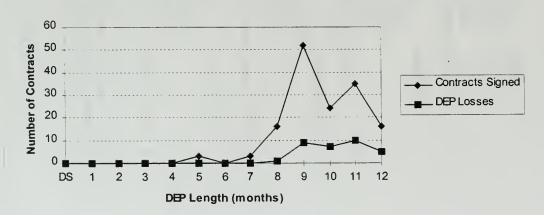
Average FY91-94 December HS Contracts



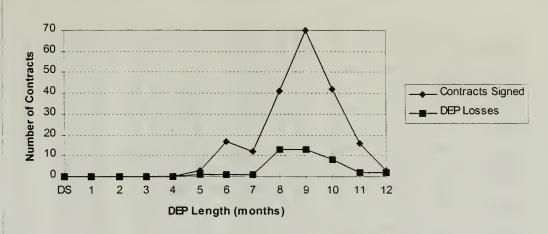
Total FY91-94 December HS Contracts



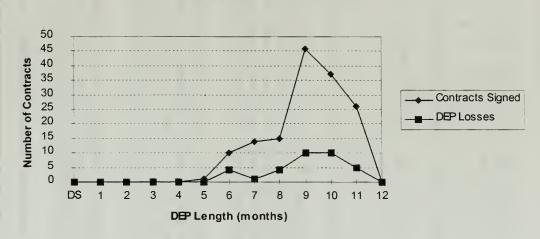
FY91 December HS Contracts



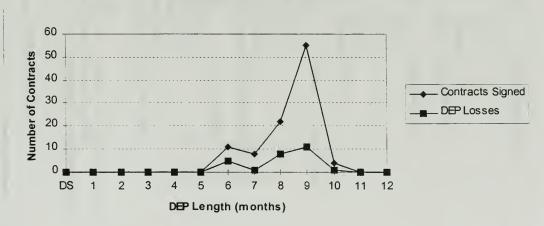
FY92 December HS Contracts



FY93 December HS Contracts

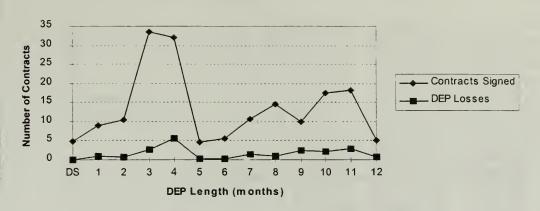


FY94 December HS Contracts

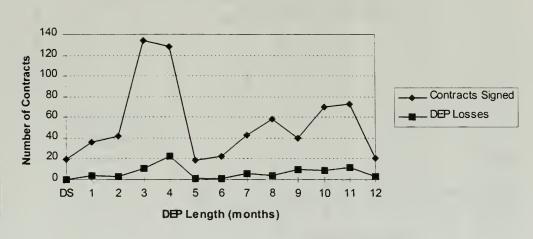


January Work Force (WF) Contracts	Con	tracts	10				DEP Le	DEP Length (months)	onths)							
Contracts Signed		DS	-	7	က	4	က	9	7	&	တ	10	11	12	Total	
	FY 91 □	0	4	11	46	13	2	2	21	35	6	33	20	6	238	
	FY 92	7	12	10	28	74	10	14	15	Ξ	17	4	12	80	252	
	FY 93	6	10	15	17	18	က	2	4	6	7	78	9	က	135	
	FY 94	8	10	9	13	23	က	-	က	က	7	2	-	0	28	
Total FY91-94 Contracts	ntracts	19	36	42	134	128	18	22	43	28	40	2	73	20	703	_
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	FY 92	_ o	m	<u> </u>	۵	73	>	-	4	7	ი .	- 1	ი (> ·	1 ;	
	FY 93	0	0	7	7	က	-	0	0	-	_	2	က	_	<u>6</u>	
	FY 94	0	0	0	0	4	0	0	0	0	-	0	0	0	2	
Total DEP Losses	Losses	0	4	က	Ξ	22	-	-	9	4	9	6	12	က	86	
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DEP Length Distribution		DS					۱	اء	-	o	2	2	=	7	I Olai	_
		0.000.0	0.0168				0.0084	0.0210		0.1471	0.0378	0.1387	0.2101	0.0378	1.0000	
	FY 92 (0.0278	0.0476	0.0397	0.2302	0.2937	0.0397	0.0556	0.0595	0.0437	0.0675	0.0159	0.0476	0.0317		
		0.0667	0.0741	0.1111	0.1259	0.1333	0.0222	0.0148	0.0296	0.0667	0.0519	0.2074	0.0741	0.0222	1.0000	
		0.0385	0.1282	0.0769	0.1667	0.2949	0.0385	0.0128	0.0385	0.0385	0.0897	0.0641	0.0128	0.0000	1.0000	
Average DEP Length Distribution			0.0512	0.0597	0.1906	0.1821	0.0256	0.0313	0.0612	0.0825	0.0569	0.0996	0.1038	0.0284	1.0000	
	ļ															
Prob[DEP Loss]		DS	-	2	3	4	2	9	7	8	6	9	=	12	Total	
	FY 91 (0.0000	0.2500	0.000.0	0.0652	0.1538	0.0000	0.0000	0.0952	0.0286	0.3333	0.0909	0.0800	0.2222		
	FY 92 (0.0000	0.2500	0.1000	0.1034	0.1757	0.0000	0.0714	0.2667	0.1818	0.2941	0.2500	0.4167	0.0000		
		0.000.0	0,000	0.1333	0.1176	0.1667	0.3333	0.000.0	0.0000	0.1111	0.1429	0.1786	0.3000	0.3333	0.1407	
					0.0000	0.1739	0.000.0	0.000.0	0.0000	0.000.0	0.1429	0.0000	0.0000	0.0000	0.0641	
Average Prob[DEP Loss]					0.0821	0.1719	0.0556	0.0455	0.1395	0.0690	0.2500	0.1286	0.1644	0.1500	0.1223	
	J															
		DS	-	7	က	4	Ŋ	9	7	œ	6	10	1	12	Total	
95 % Cl Upper Bound for ProbfDEP Lossi		0.0000	0.2138	0.1493	0.1286	0.2372	0.1614	0.1325	0.2431	0.1342	0.3842	0.2070	0.2494	0.3065	0.1466	
Average Prob[DEP Loss]				0.0714	0.0821	0.1719	0.0556	0.0455	0.1395	0.0690	0.2500	0.1286	0.1644	0.1500	0.1223	
95 % Cl Lower Bound for Prob[DEP Loss]		0.0000	0.0084	0.000.0	0.0356	0.1065	0.0000	0.000.0	0.0360	0.0038	0.1158	0.0502	0.0794	0.0000	0.0981	
_	NOTE: D	S repres	sents Di	rect Ship	opers. D	S recrui	ts are sh	ipped to	DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.	raining d	furing the	contrac	signing	g month.		
															ı	

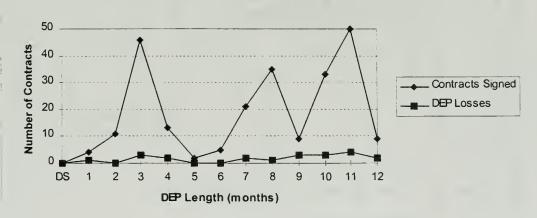
Average FY91-94 January WF Contracts



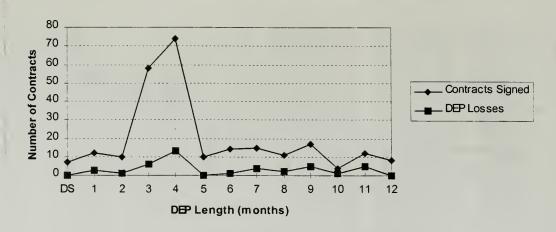
Total FY91-94 January WF Contracts



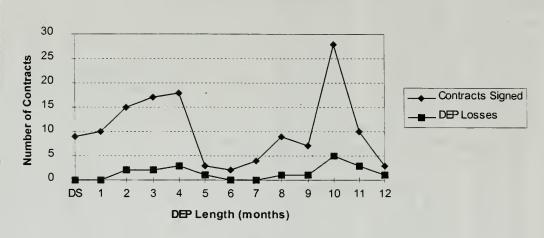
FY91 January WF Contracts



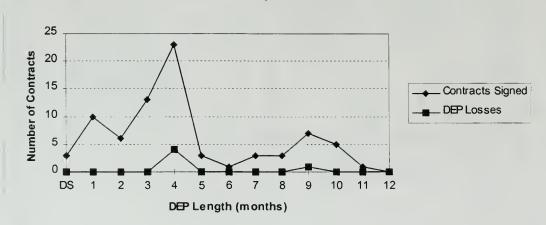
FY92 January WF Contracts



FY93 January WF Contracts



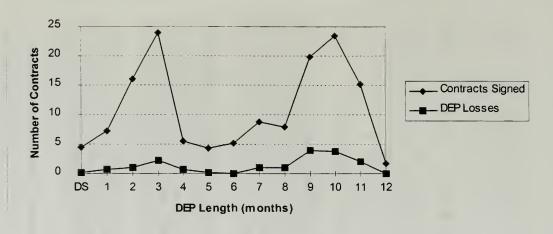
FY94 January WF Contracts



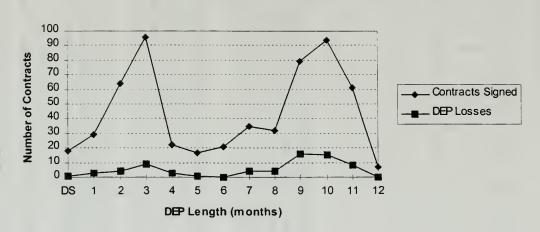
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	12 2 2 7 7 7	0 0 0 0	12 0.0231 0.0119 0.0000 0.0000	12 0.0000 0.0000 0.0000 0.0000	0.0000
	11 10 11 11 11 11 11 11 11 11 11 11 11 1	8 0 2 3 3	0.1806 0.0595 0.0887 0.0149 0.1061	0.0000 0.0000 0.1818 0.0000	11 0.2159 0.1311 0.0464
	10 43 22 22 22 94	01 2 3 1 1 1 2 1	10 0.1991 0.1607 0.1774 0.0299 0.1635	10 0.1163 0.2222 0.1364 0.5000 0.1596	10 0.2336 0.1596 0.0855
	9 11 24 24 7 79	9 2 2 2 2 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9 0.0509 0.2202 0.1935 0.1045 0.1374	9 0.1818 0.2703 0.0833 0.2857 0.2025	9 0.2912 0.2025 0.1139
	88 13 9 6 32 8	8 2 0 4	8 0.0602 0.0536 0.0323 0.0896 0.0557	8 0.0769 0.5000 0.0000 0.1250	8 0.2396 0.1250 0.0104
onths)	21 21 1	V C C C C C C C C C C C C C C C C C C C	7 0.0972 0.0357 0.0081 0.1045	7 0.1429 0.0667 0.0000 0.0000 0.1143	7 0.2197 0.1143 0.0089
DEP Length (months)	6 6 10 10 17 17 17 17 17 17 17 17 17 17 17 17 17	00000	6 0.0278 0.0595 0.0081 0.0597 0.0365	0.0000	0.0000 0.0000 0.0000
DEP Le	2 0 0 7 7 7 7 1 7 1	v 0 - 0 0 -	5 0.0278 0.0417 0.0323 0.0000 0.0296	5 0.0000 0.1429 0.0000 0.0000 0.0588	5 0.1707 0.0588 0.0000
	4 E 2 E 2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	40-8	4 0.0139 0.0242 0.0597 0.0383	4 0.3333 0.0833 0.0000 0.2500 0.1364	0.2798 0.1364 0.0000
	3 15 15 11 96	w 2 w w - 0	3 0.1944 0.0893 0.2258 0.1642 0.1670	3 0.0476 0.2000 0.1071 0.0909 0.0938	3 0.1521 0.0938 0.0354
	22 22 13 14 4 4 64	4-40-4	2 0.0694 0.1310 0.1048 0.2090 0.1113	2 0.0667 0.0909 0.0000 0.0714 0.0625	2 0.1218 0.0625 0.0032
	1 2 6 6 2 5 2 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	om	0.0556 0.0357 0.0484 0.0746 0.0504	0.0833 0.1667 0.0000 0.1034	0.2143 0.1034 0.0000
tracts	DS 0 0 7 7 7 18 18	O - O O -	DS 0.0000 0.0298 0.0565 0.0896 0.0313	DS 0.0000 0.2000 0.0000 0.0556	DS 0.1614 0.0556 0.0000
Contr	FY 91 FY 92 FY 93 FY 94 ontracts	FY 91 FY 92 FY 93 FY 94 Losses	FY 92 FY 92 FY 93 FY 94 ribution		P Loss] P Loss] P Loss]
February Work Force (WF) Con	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 93 Total DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 FY 94 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 FY 94 Average Prob[DEP Loss]	95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

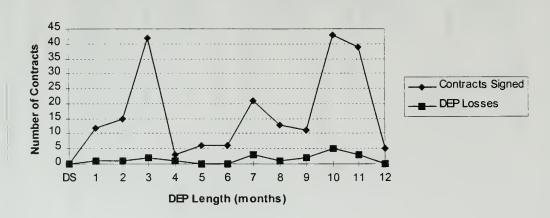
Average FY91-94 February WF Contracts



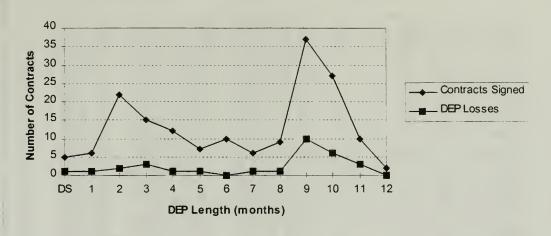
Total FY91-94 February WF Contracts



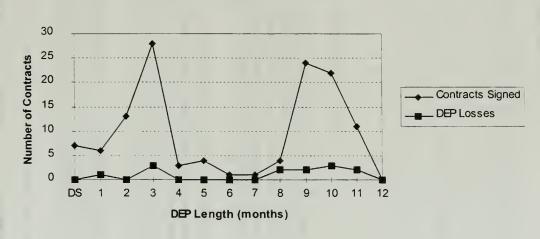
FY91 February WF Contracts



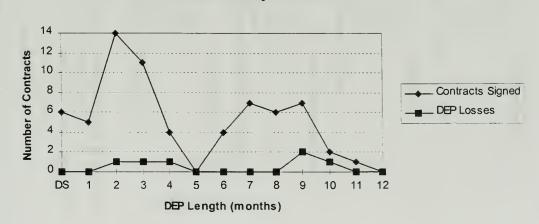
FY92 February WF Contracts



FY93 February WF Contracts



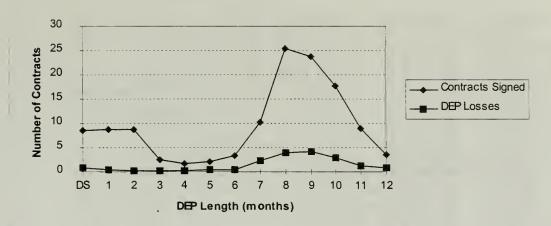
FY94 February WF Contracts



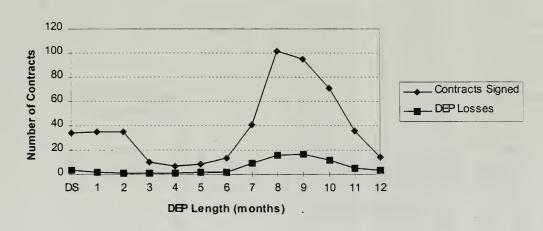
	Total 169 115 134 83 501	29 15 15 74	Total 1.0000 1.0000 1.0000 1.0000	Total 0.1788 0.1788 0.1788 0.1788 0.1477 0.1788	
	£ 0 0 0 4 1	30 - 1 2 0 4	12 0.0178 0.0435 0.0448 0.0000 0.0279	12 0.0000 0.4000 0.1667 0.0000 0.2143 0.4292 0.2143 0.00000	
	11 13 36 36	t 60 0	11 0.0769 0.0522 0.1045 0.0361	0.2308 0.0000 0.0714 0.3333 0.1389 0.1389 0.1389 0.02519	
	10 28 22 15 6 71	20 0 2	10 0.1657 0.1913 0.1119 0.0723 0.1417	10 0.1786 0.2273 0.0000 0.1690 10 0.2562 0.1690 0.0818	
	90 30 40 8 8 95	0 2 2 7 7 7	9 0.1775 0.1478 0.2985 0.0964 0.1896	9 0.1667 0.2941 0.1500 0.1789 9 0.2560 0.1789	
	8 50 13 17 102	8 0 0	8 0.2959 0.1130 0.2651 0.2036	8 0.1600 0.0769 0.0588 0.2727 0.1569 0.2274 0.1569	
onths)	7 23 4 1 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 4 - 0 0 0	7 0.1361 0.0348 0.0821 0.0361	7 0.1739 0.2500 0.1818 0.6667 0.2195 7 7 7 0.3462 0.2195	
DEP Length (months)	9 2 2 2 2 2 2	20 - 0 - 0	6 0.0118 0.0609 0.0149 0.0241	6 0.5000 0.0000 0.0000 0.1538 6 0.3500 0.0000 0.0000	
DEP Le	w 3 − 2 2 0 m	2 - 0 0 - 2	5 0.0118 0.0075 0.0361 0.0160	5 0.5000 0.0000 0.3333 0.2500 5 1 5 0.5501 0.2500	
	4 - 60 0 - 1	4000	4 0.0059 0.0261 0.0149 0.0120	4 0.0000 0.0000 0.0000 0.1429 0.4021 0.0000 0.0000	
	6 4 4 4 4 4	w 0 0 0	3 0.0118 0.0261 0.0149 0.0361 0.0200	3 0.0000 0.0000 0.3333 0.1000 0.2859 0.1000	
	2 12 17 11 11 35	7 0 - 0 0 -	2 0.0296 0.1043 0.0522 0.1325 0.0699	2 0.0000 0.0833 0.0000 0.0286 0.0286 0.0288 0.0288	
	111 111 35	0-07	1 0.0355 0.0609 0.0821 0.1325 0.0699	0.0000 0.0000 0.0000 0.0000 0.0571 1 0.1340 0.00571	
cts	DS 4 4 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	DS 0 0 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0.0237 0.1217 0.0448 0.1205 0.0679	DS 0.2500 0.0000 0.0000 0.0882 DS DS 0.1836 0.0882 0.0882	
ntrac	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 FP LOSS] FP LOSS] FP LOSS]	
March Work Force (WF) Contra	Contracts Signed FY 91 FY 92 FY 93 FY 93 Total FY91-94 Contracts	DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 94 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 FY 94 Average Prob[DEP Loss] Average Prob[DEP Loss] Average Prob[DEP Loss] 65 % CI Upper Bound for Prob[DEP Loss]	

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

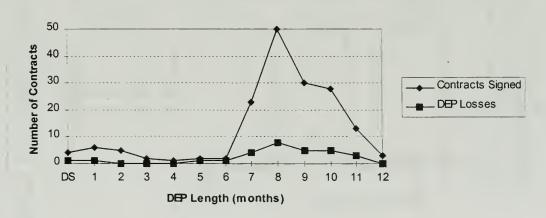
Average FY91-94 March WF Contracts



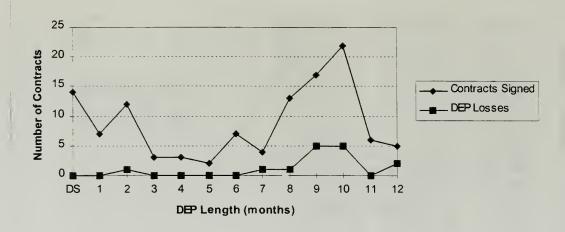
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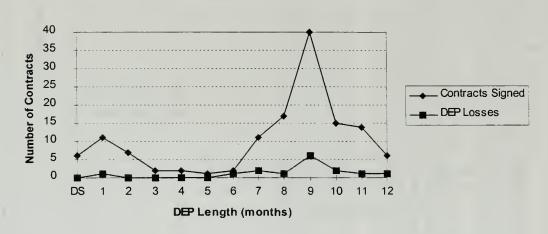
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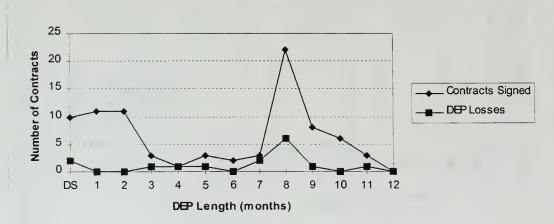
FY92 March WF Contracts



FY93 March WF Contracts



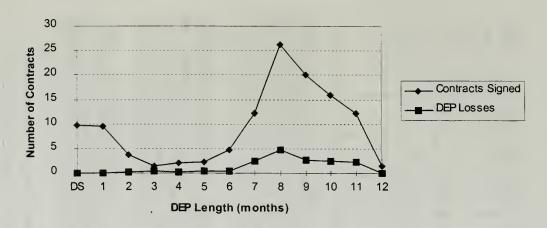
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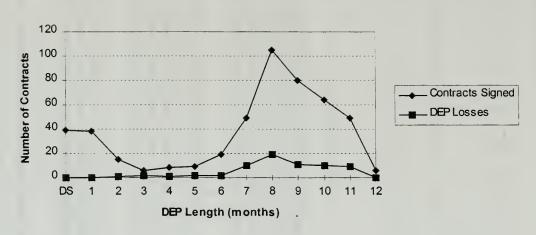
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	0000	200000	12 50 0.0179 50 0.0000 30 0.0326 99 0.0000	12 30 0.0000 30 0.0000 30 0.0000 37 0.0000	12 21 0.0000 37 0.0000 53 0.0000
	11 20 12 15 15 49	3 1 2 6	11 25 0.0750 96 0.1630 46 0.0299 14 0.1006	11 67 0.2500 67 0.0833 27 0.2000 00 0.0000 63 0.1837	11 52 0.2921 63 0.1837 73 0.0753
	100 30 20 20 20 20 20 20 20 20 20 20 20 20 20	10 3 3 3 1 10	10 86 0.1786 88 0.1125 30 0.1196 94 0.0746 43 0.1314	10 33 0.0333 41 0.1667 67 0.2727 50 0.6000 75 0.1563	10 30 0.2452 75 0.1563 20 0.0673
	9 30 27 27 15 8 80	2 1 1 1 1 1 2 2	9 00 0.1786 25 0.1688 57 0.1630 42 0.1194 56 0.1643	90 0.2333 65 0.0741 44 0.0667 00 0.1250 10 0.1375	9 46 0.2130 10 0.1375 73 0.0620
(SI	8 422 34 11 11 105	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 31 0.2500 50 0.2125 35 0.1957 96 0.1642 06 0.2156	8 32 0.1190 00 0.1765 00 0.4444 33 0.0000 41 0.1810	8 69 0.2546 41 0.1810 112 0.1073
(month	7 19 20 6 4 4 4 49 6 6	5 2 1 10 10	7 36 0.1131 50 0.1250 117 0.0435 97 0.0896 90 0.1006	7 11 0.2632 00 0.1000 00 0.2500 00 0.3333 53 0.2041	7 33 0.3169 53 0.2041 00 0.0912
DEP Length (months)	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	20001	6 060 0.0536 375 0.0250 109 0.0217 149 0.0597 185 0.0390	5 6 0.0000 0.1111 0.333 0.250 0.0000 0.0000 0.0000 0.0000	5 6 0.4938 0.2433 0.2222 0.1053 0.0000 0.0000
	4 4 1 2 1 8	200011	4 5 0.0238 0.0060 0.0063 0.0375 0.0217 0.0109 0.0149 0.0148	4 5 0.0000 0.0000 0.0000 0.333 0.0000 0.0000 1.0000 0.0000 0.1250 0.2222	4 5 0.3542 0.4938 0.1250 0.2222 0.0000 0.0000
	6 1 2 1 2	2 0 1 1 0 3	3 0.0119 0.00 0.0063 0.00 0.0217 0.00 0.0149 0.0 0.0123 0.0	3 0.0000 0.0000 0.5000 0.0000 0.3333 0.1	3 0.7705 0.3333 0.0000 0.0000
	2 1 1 4 4 1 2 1	1000	2 0.0060 0.0 0.0563 0.0 0.0109 0.0 0.0597 0.0	2 0.0000 0.0 0.1111 1.0 0.0000 0.5 0.0667 0.3	2 0.1929 0.7 0.0667 0.3 0.0000 0.0
}	0 0 0 0 8 8	-00000	1 0.0000 0.0 0.0625 0.0 0.1087 0.0 0.2687 0.0	0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000	0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.0000
	DS 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0000	DS 0.0417 0. 0.1125 0. 0.0870 0. 0.0896 0. 0.0801 0.		0.0000 0.00000 0.000 0.0000 0.000 0.0000 0.0
racts	FY 91 FY 92 FY 93 FY 94 ntracts	FY 91 FY 92 FY 93 FY 94 osses			
April Work Force (WF) Contract	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 93 FY 93 FY 94 Total DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 FY 93 FY 93 FY 93	95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

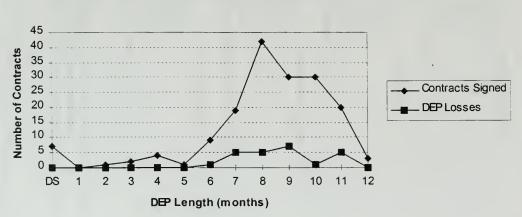
Average FY91-94 April WF Contracts



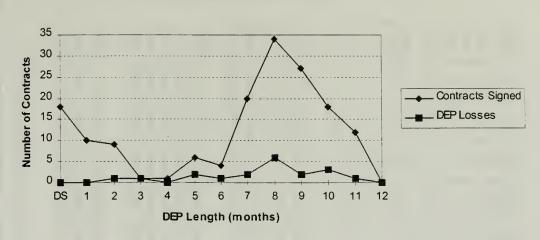
Total FY91-94 April WF Contracts



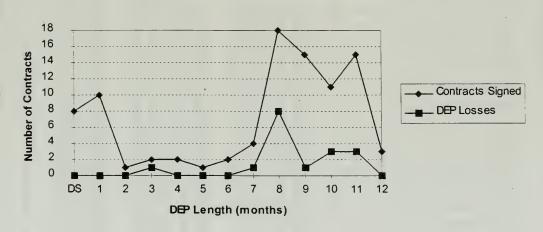
FY91 April WF Contracts



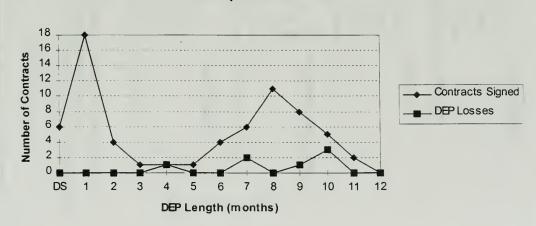
FY92 April WF Contracts



FY93 April WF Contracts



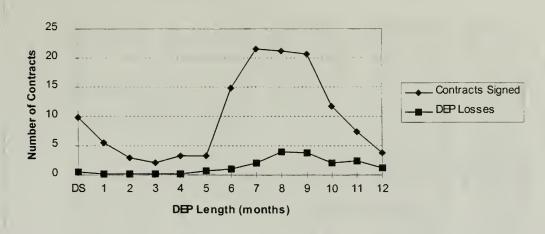
FY94 April WF Contracts



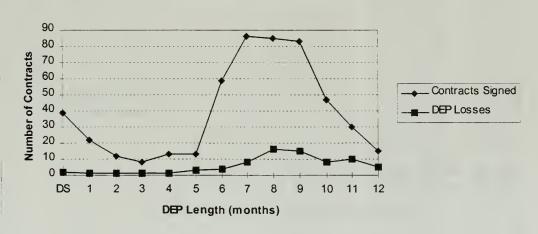
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	7 7 4 8 1 0 8	2 4 2 - 0	0.0393 0.0940 0.0762 0.0125 0.0586	11 0.4286 0.2857 0.2500 1.0000 0.3333	0.5020 0.3333 0.1646
	10 24 18 5 0 0	90708	10 0.1348 0.1208 0.0476 0.0000 0.0918	10 0.2500 0.0000 0.4000 0.0000 0.1702	10 0.2777 0.1702 0.0628
	9 39 29 14 14 83	9 10 2 3 0 15	9 0.2191 0.1946 0.1333 0.0125 0.1621	9 0.2564 0.0690 0.2143 0.0000 0.1807	9 0.2635 0.1807 0.0979
	36 13 21 15 85	8 1 1 16	8 0.2022 0.0872 0.2000 0.1875 0.1660	8 0.1944 0.0769 0.0952 0.4000 0.1882	8 0.2713 0.1882 0.1051
onths)	25 30 12 19 86	7 4 8 0 0 1 8	7 0.1404 0.2013 0.1143 0.2375 0.1680	0.1600 0.1000 0.0000 0.0526 0.0930	7 0.1544 0.0930 0.0316
DEP Length (months)	6 10 28 59	6 0 0 1 1 1 4	6 0.0843 0.0403 0.0952 0.3500 0.1152	6 0.0000 0.0000 0.1000 0.1071 0.0678	6 0.1319 0.0678 0.0036
DEP Le	0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	w 0 w	5 0.0281 0.0134 0.0286 0.0375 0.0254	5 0.2000 0.5000 0.3333 0.0000 0.2308	5 0.4598 0.2308 0.0017
	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	40-00-	4 0.0281 0.0336 0.0000 0.0375 0.0254	0.0000 0.2000 0.0000 0.0000 0.0769	4 0.2218 0.0769 0.0000
	m 2 2 7 m	w - 000 -	3 0.0169 0.0134 0.0125 0.0125	3 0.3333 0.0000 0.0000 0.1250	3 0.3542 0.1250 0.0000
	4 4 4 0 2	700-0-	2 0.0225 0.0268 0.0381 0.0000 0.0234	2 0.0000 0.2500 0.0000 0.0833	2 0.2397 0.0833 0.0000
	6 4 9 8 2 2 2 2 3 3 9 4 9	000-	0.0337 0.0268 0.0857 0.0375 0.0430	1 0.1667 0.0000 0.0000 0.0000	0.1325 0.0455 0.0000
	6 6 39 39	DS	DS 0.0337 0.1074 0.1048 0.0750 0.0762	DS 0.1667 0.0000 0.0000 0.1667 0.0513	DS 0.1205 0.0513 0.0000
racts	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94	ip Loss] P Loss] P Loss]
May Work Force (WF) Contracts	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 93 FY 93 FY 93 FY 94	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 FY 93 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 Average Prob[DEP Loss	95 % CI Upper Bound for Prob[DEP Loss Average Prob[DEP Loss 95 % CI Lower Bound for Prob[DEP Loss

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

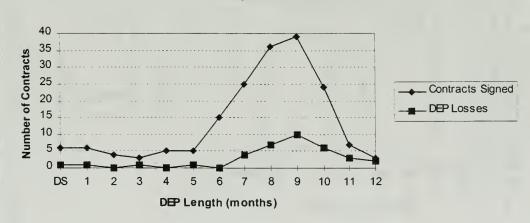
Average FY91-94 May WF Contracts



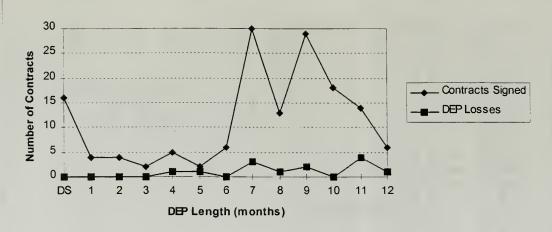
Total FY91-94 May WF Contracts



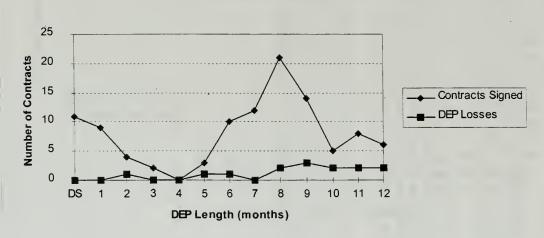
FY91 May WF Contracts



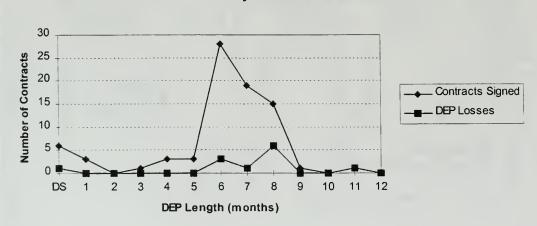
FY92 May WF Contracts



FY93 May WF Contracts



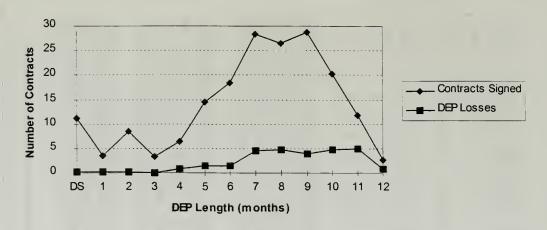
FY94 May WF Contracts



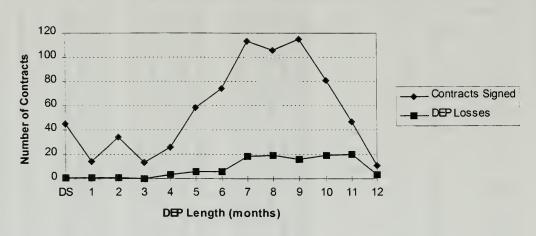
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	11 8 22 15 15 47	20 2 2 2 2 2 3	0.0333 0.1005 0.0920 0.0174 0.0638	11 0.3750 0.4091 0.4000 0.4255 0.5669 0.2842
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	8 35 38 32 1	8 9 4 - 6	8 0.1458 0.1735 0.0087 0.0087	7 8 9 0.1522 0.2286 0.1389 0.2500 0.1579 0.1702 0.1200 0.1250 0.0030 0.1364 1.0000 0.0000 0.1593 0.1792 0.1391 7 8 9 0.2268 0.2523 0.2024 0.1593 0.1792 0.1391 0.0918 0.1062 0.0759
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DEP Le	5 16 7 7 10 25 58	6 2 1 0 3	5 0.0667 0.0320 0.0613 0.2174 0.0787	5 0.01875 0.0000 0.0000 0.0000 0.1034 0.1034 0.0251
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"	8 61 8 10 10 10 10 10 10 10 10 10 10 10 10 10	DS - 0 - 0 -	0.0333 0.0868 0.0491 0.0870 0.0611	DS 0.0000 0.0000 0.1250 0.0222 DS 0.0653 0.0222
tracts	FY 91 FY 92 FY 93 FY 94	FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94	FY 921 FY 93 FY LOSS]
June Work Force (WF) Contrac	Contracts Signed FY 9 FY 9 FY 9 FY 9 Total FY91-94 Contrac	DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 FY 94 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 93 FY 93 FY 93 FY 93 FY 93 FY 94 Average Prob[DEP Loss] Average Prob[DEP Loss] Average Prob[DEP Loss]

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

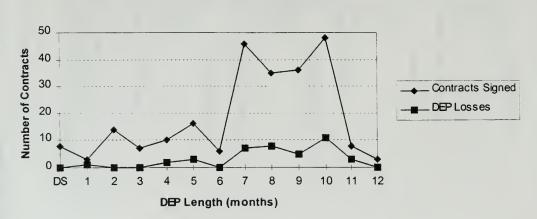
Average FY91-94 June WF Contracts



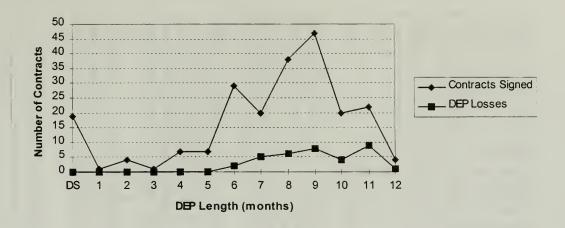
Total FY91-94 June WF Contracts



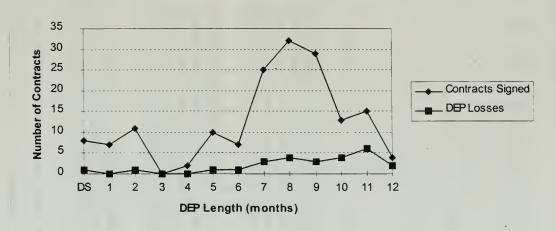
FY91 June WF Contracts



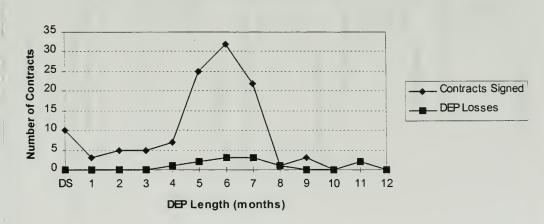
FY92 June WF Contracts



FY93 June WF Contracts

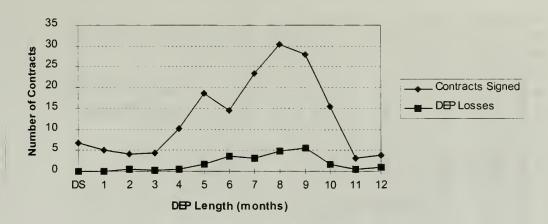


FY94 June WF Contracts

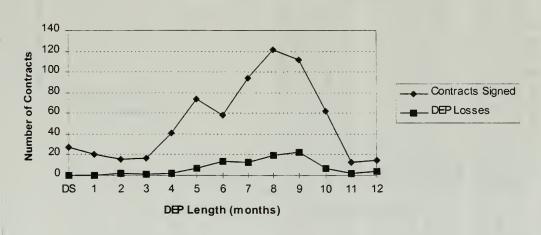


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onths)	7 17 30 14 94	4 8 4 2 8	7 0.1331 0.1006 0.1987 0.1359 0.1401		0.0000 0.0000 0.0000 0.0000 0.0000 0.0279 0.1312 0.0685 0.0914 0.1228 0.0341 0.0000 0.0429 0.0429 0.0341 0.0000 0.0429 0.0429 0.0000 0.0429 0.0000 0.0429 0.0000 0.0429 0.0000 0.0429 0.0000 0.0429 0.0000 0.0429 0.00000 0.0429 0.00000 0.0429 0.00000 0.0429 0.00000 0.0429 0.00000 0.0429 0.00000 0.0429 0.00000 0.0429 0.0429 0.0429 0.0429 0.00000 0.0429 0.
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racts	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94 tribution	FY 91 FY 92 FY 93 FY 94 FY 94 FY 05S]	P Loss]
July Work Force (WF) Contracts	Contracts Signed FY 91 FY 92 FY 93 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 94 Total DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 FY 94 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss] Average Prob[DEP Loss] Average Prob[DEP Loss]	95 % CI Lower Bound for Prob[DEP Loss] NOTE:

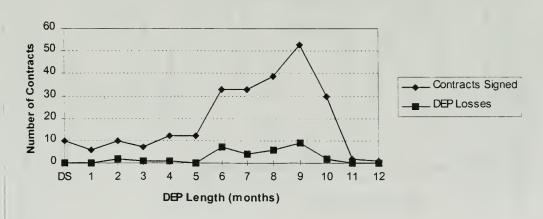
Average FY91-94 July WF Contracts



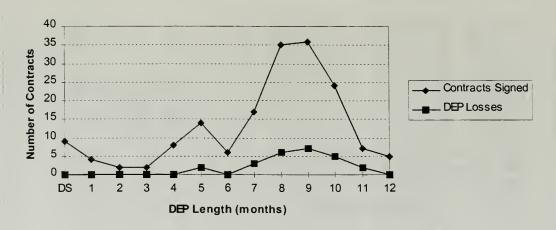
Total FY91-94 July WF Contracts



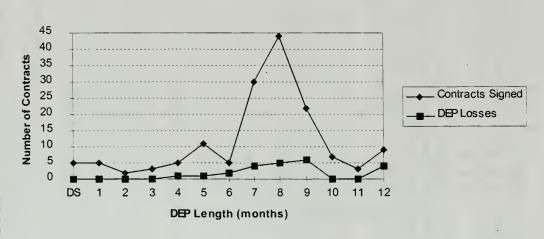
FY91 July WF Contracts



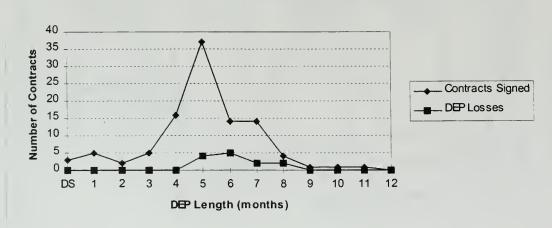
FY92 July WF Contracts



FY93 July WF Contracts



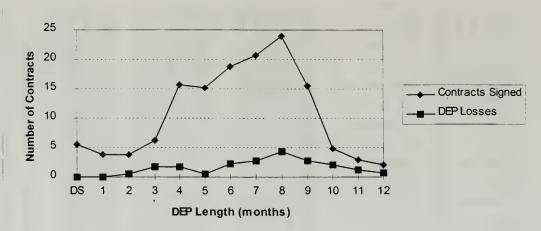
FY94 July WF Contracts



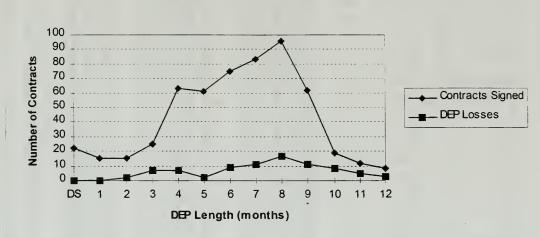
	Total 201 139 108 556	29 21 11 82 82	Total 1.0000 1.0000 1.0000 1.0000	Total 0.1443 0.1511 0.1944 0.1019 0.1475	0.1770 0.1475 0.1180
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	32 33 38 38 38 38 38 38 38 38 38 38 38 38	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 0.1592 0.2806 0.2130 0.0185	8 0.1563 0.2174 0.0000 0.1771	0.2534 0.1771 0.1007
nonths)	7 17 17 26 8 8	0 0 0 11	7 0.1592 0.1223 0.2407 0.0741 0.1493	7 0.1563 0.0000 0.2308 0.0000 7	0.2055 0.1325 0.0596
DEP Length (months)	6 33 11 15 16 75	9 4 6 0	6 0.0791 0.1389 0.1481 0.1349	6 0.1212 0.0909 0.0667 0.1875 0.1200	0.1935 0.1200 0.0465
DEP L	8 4 8 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	2 0 0	5 0.0896 0.0576 0.0370 0.2870 0.1097	5 0.0000 0.2500 0.0323 0.0328	0.0775 0.0328 0.0000
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	3 10 1 1 7 7 25	77007	3 0.0498 0.0504 0.0093 0.0648 0.0450	3 0.3000 0.2857 0.0000 0.2857 0.2857	0.4560 0.2800 0.1040
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ontra	FY 91 FY 92 FY 93 FY 94 ontracts	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94	FY 91 FY 93 FY 93 FY 94 FY 94	EP Loss] EP Loss] EP Loss]
August Work Force (WF) Contracts	Contracts Signed FY 91 FY 92 FY 93 FY 93 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 93 FY 94 Total DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 FY 94 Average Prob[DEP Loss]	95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]

NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

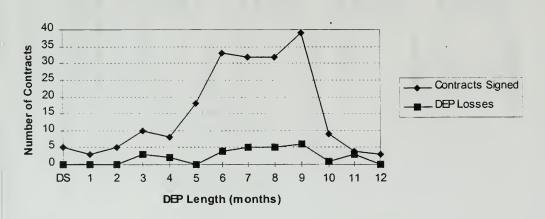
Average FY91-94 August WF Contracts



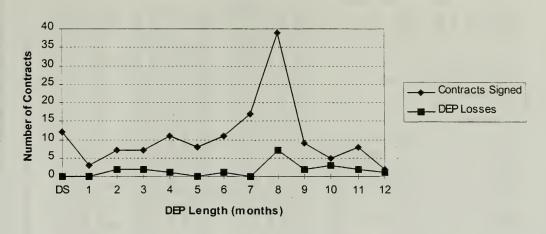
Total FY91-94 August WF Contracts



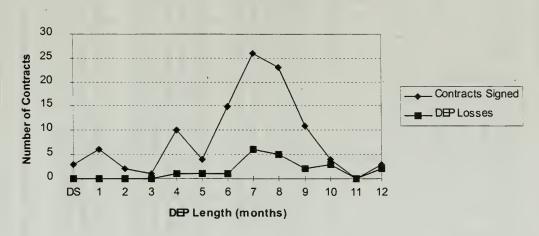
FY91 August WF Contracts



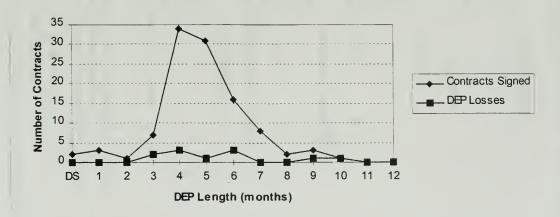
FY92 August WF Contracts



FY93 August WF Contracts

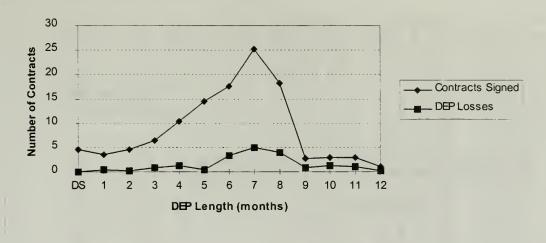


FY94 August WF Contracts

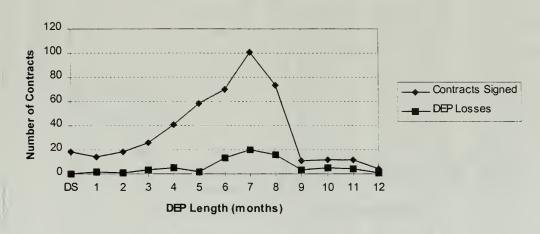


September Work Force (WF) Contracts Contracts Signed FY 91 A FY 92 6 FY 92 6	DS Contra DS FY 91 4 FY 92 6		1 2 2 3	7 2 2 7	ω 4 ∞ n	4 r 4 r	5 26 6 6	DEP Length (months) 5 6 7 26 21 39 6 10 39	39 39 39 39	8 25 34	σ ∞ π c	10	1 9 4 0	0 8 -	Total 152 129 94
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DEP Length Distribution FY 91 FY 92 FY 93 FY 93 Average DEP Length Distribution	PY 91 0.0263 FY 92 0.0465 FY 93 0.0745 FY 94 0.0120 ibution 0.0393		32 55 38 82 82 80 80	2 0.0329 0. 0.0388 0. 0.0106 0. 0.0843 0. 0.0393 0.	3 0.0263 (0.0520 0 0.0532 (0.1084 (4 0.0461 0.0310 0.0532 0.3012 0.0895	5 0.1711 0.0465 0.1277 0.1687 0.1266	6 0.1382 0.0775 0.2234 0.2169 0.1528	7 0.2566 0.3023 0.2234 0.0241	8 0.1645 0.2636 0.0120 0.0120	9 0.0526 0.0233 0.0000 0.0000	10 0.0329 0.0388 0.0000 0.0241	0.0395 0.0310 0.0213 0.0000	12 0.0000 0.0233 0.0106 0.0000	Total 1.0000 1.0000 1.0000 1.0000
Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss]	FY 91 0.0000 FY 92 0.0000 FY 93 0.0000 FY 94 0.0000 Loss] 0.0000		000000	2 0.0000 0.2000 0.0000 0.0000 0.0556	3 0.0000 0.1250 0.4000 0.0000 0.1154	0.0000 0.0000 0.2000 0.1600	5 0.0385 0.0000 0.00833 0.0000	6 0.1429 0.3000 0.1429 0.2222 0.1857	7 0.1282 0.2308 0.1905 1.0000 0.1980	8 0.2000 0.1765 0.3077 1.0000 0.2192	9 0.3750 0.0000 0.0000 0.0000 0.2727	10 0.2000 0.6000 0.0000 0.5000	0.1667 0.2500 1.0000 0.0000 0.3333	12 0.0000 1.0000 0.0000 0.0000	Total 0.1250 0.1938 0.1915 0.1566 0.1638
95 % Cl Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % Cl Lower Bound for Prob[DEP Loss]	DSS 0.0000 0.0000 0.0000 0.0000 0.0000		29 29 20	2 0.1614 0. 0.0556 0. 0.0000 0.	3 0.2382 (0.1154 (0.0000)	4 0.2221 0.1220 0.0218	5 0.0814 0.0345 0.0000	6 0.2768 0.1857 0.0946	7 0.2757 0.1980 0.1203	8 0.3141 0.2192 0.1243	9 0.5359 0.2727 0.0095	10 0.6956 0.4167	11 0.6001 0.3333 0.0666	12 0.6744 0.2500 0.0000	Total 0.1976 0.1638 0.1299
NOTE:		epreser	its Direc	t Shipp	ers. D	S recrui	DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.	ipped to	recruit	training	during tl	ne contra	act signir	ng month	<u>.</u>

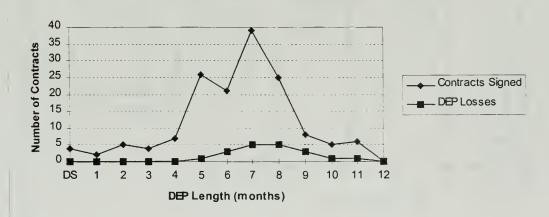
Average FY91-94 September WF Contracts



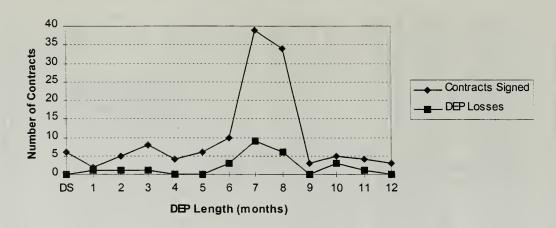
Total FY91-94 September WF Contracts



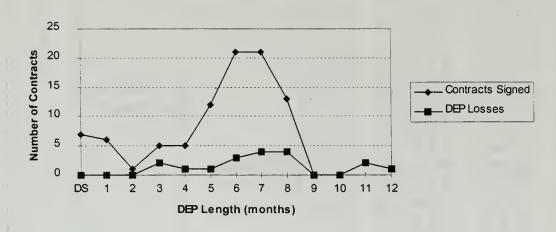
FY91 September WF Contracts



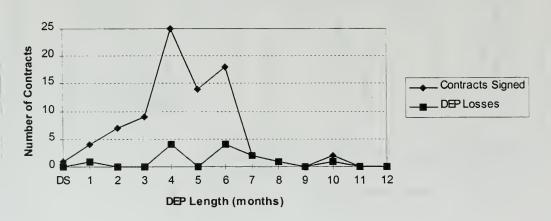
FY92 September WF Contracts



FY93 September WF Contracts



FY94 September WF Contracts

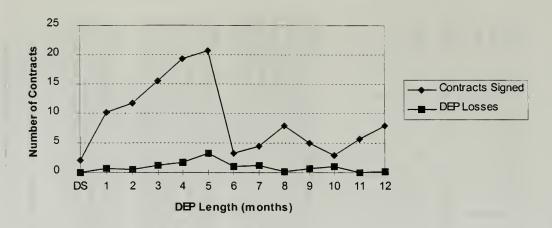


	Total 166 140 98 64 468	23 16 6 3 48	Total 1.0000 1.0000 1.0000 1.0000	Total 0.1386 0.1143 0.0612 0.0469	Total 0.1301 0.1026 0.0751
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nths)	8 8 7 7 81	2000	7 0.0482 (0.0571 (0.0102 (0.01385 (7 0.3750 0 0.2500 0 0.0000 0 0.2778 0	7 0.4847 0.2778 0.0709
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October Work Force (WF) Contr	Contracts Signed FY 91 FY 91 FY 93 FY 93 FY 93 FY 94 Total FY91-94 Contracts	DEP Losses FY 91 FY 92 FY 93 FY 94 Total DEP Losses	DEP Length Distribution FY 91 FY 91 FY 93 FY 93 Average DEP Length Distributior	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 FY 93 Average Prob[DEP Loss	95 % CI Upper Bound for Prob[DEP Loss Average Prob[DEP Loss 95 % CI Lower Bound for Prob[DEP Loss

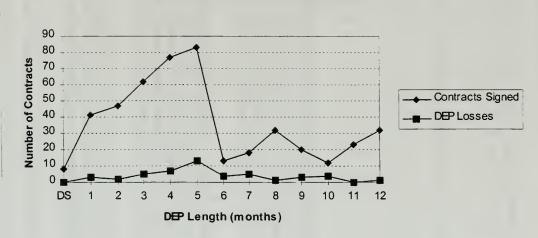
NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

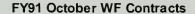
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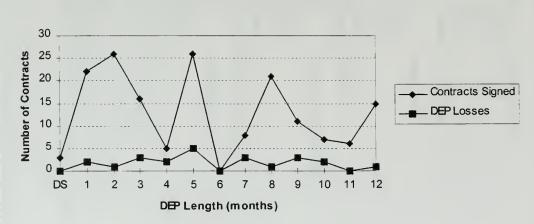
Average FY91-94 October WF Contracts



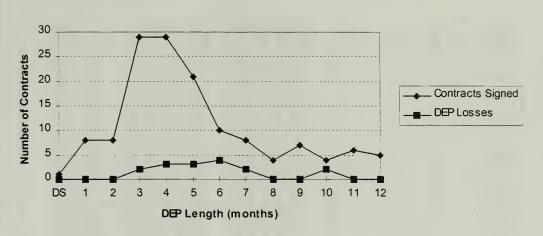
Total FY91-94 October WF Contracts

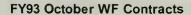


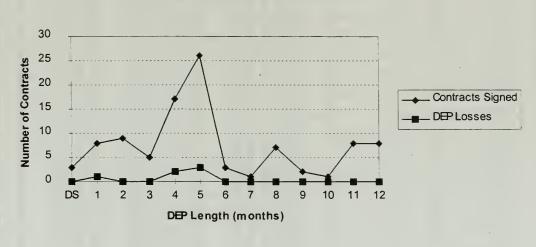




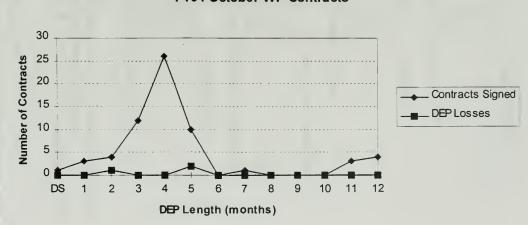
FY92 October WF Contracts







FY94 October WF Contracts

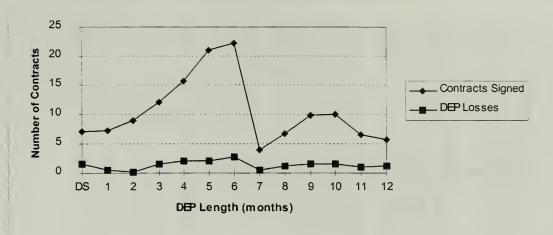


	Total 162 174 108 104 548	Total 25 17 13 15 70	Total 1.0000 1.0000 1.0000 1.0000	Total 0.1543 0.0977 0.1204 0.1442 0.1277	Total 0.1557 0.1277 0.0998
	14 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 - 0 0 5	12 0.0864 0.0517 0.0000 0.0000 0.0420	11 12 0.1818 0.2857 0.1667 0.1111 0.0000 0.0000 0.1538 0.2174	12 0.3860 0.2174 0.0488
	11 12 13 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	120004	11 0.0679 0.0690 0.0278 0.0000	11 0.1818 0.1667 0.0000 0.0000 0.1538	11 0.2925 0.1538 0.0152
	10 21 6 6 40	0 6 6 7 7 7 9	10 0.0617 0.1207 0.0556 0.0288 0.0730	10 0.3000 0.0476 0.1667 0.3333	10 11 0.2607 0.2925 0.1500 0.1538 0.0393 0.0152
	9 15 17 17 39 39	6 4 0 9	9 0.0926 0.0977 0.0278 0.0385	9 0.2667 0.0588 0.3333 0.0000 0.1538	9 0.2671 0.1538 0.0406
	8 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 - 2 2	8 0.0123 0.1264 0.0185 0.0096 0.0099	8 0.5000 0.0909 0.5000 1.0000	8 0.3317 0.1852 0.0387
onths)	r - 8 2 7 9	r 0 0 2	7 0.0062 0.0460 0.0463 0.0192 0.0292	7 0.0000 0.1250 0.2000 0.0000 0.1250	7 0.2871 0.1250 0.0000
DEP Length (months)	6 33 89	0 0 0 7 7 1 1 4 2 2 1	6 0.1049 0.0805 0.3056 0.2404 0.1624	6 0.0000 0.1429 0.1515 0.1600 0.1236	6 0.1920 0.1236 0.0552
DEP Le	5 17 19 26 84 84	rv - 4 0	5 0.1049 0.1264 0.1759 0.2500 0.1533	5 0.0588 0.0909 0.0526 0.1538 0.0952	5 0.1580 0.0952 0.0325
	4 17 17 17 17 17 17 17 17 17 17 17 17 17	4 0 - 0 - 0	4 0.1049 0.0805 0.1111 0.1923 0.1150	4 0.3529 0.0714 0.0000 0.0500 0.1270	0.2092 0.1270 0.0448
	22 8 0 0 8 48	607-10	3 0.1358 0.0460 0.0833 0.0865	3 0.0909 0.1250 0.1111 0.2222 0.1250	3 0.2186 0.1250 0.0314
	2 15 4 4 4 36	700-0-	2 0.0988 0.0690 0.0370 0.0385 0.0657	2 0.0000 0.0000 0.2500 0.0000	2 0.0815 0.0278 0.0000
6	- 13 8 8 20 20 20 21	-0-0-0	1 0.0802 0.0460 0.0278 0.0481 0.0529	0.0000 0.1250 0.0000 0.2000 0.0690	0.1612 0.0690 0.0000
ntracts	DS 7 7 9 9 5 28 28	DS 7 - 1 - 9	DS 0.0432 0.0833 0.0833 0.0481 0.0511	DS 0.2857 0.2857 0.1111 0.2000 0.2143	0.3663 0.2143 0.0623
Con	FY 91 FY 92 FY 93 FY 94	FY 91 FY 92 FY 93 FY 94 Losses	FY 91 FY 92 FY 93 FY 94 Iribution	FY 91 FY 92 FY 93 FY 94	P Loss] P Loss] P Loss]
WF (WF	signed 91-94 Co	DEP Losses	ibution ngth Dist	Loss)	Prob[DE Prob[DE Prob[DE
Force	Contracts Signed FY 91 FY 92 FY 93 FY 93 Total FY91-94 Contracts	DEP T	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss]	ound for Prob[DEP Loss] Average Prob[DEP Loss] ound for Prob[DEP Loss]
Nork	Š		EP Leng	<u>.</u> ~	Jpper Bc / -ower Bc
nber			ā		95 % CI Upper Bound for Prob[DEP Loss] Average Prob[DEP Loss] 95 % CI Lower Bound for Prob[DEP Loss]
November Work Force (WF) Co					0, 0,
Z					

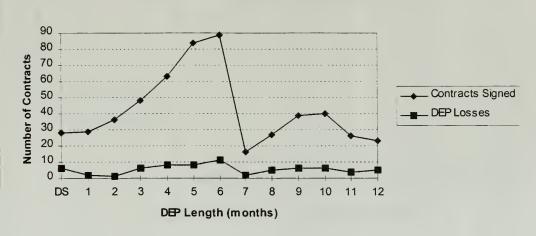
NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

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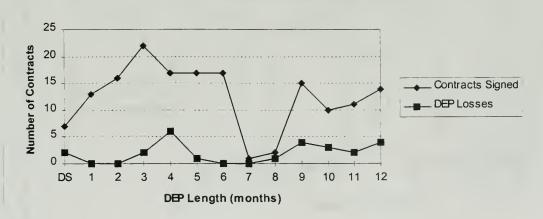
Average FY91-94 November WF Contracts



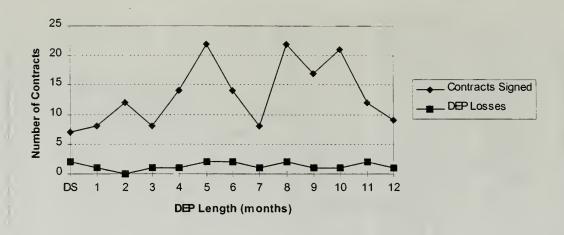
Total FY91-94 November WF Contracts



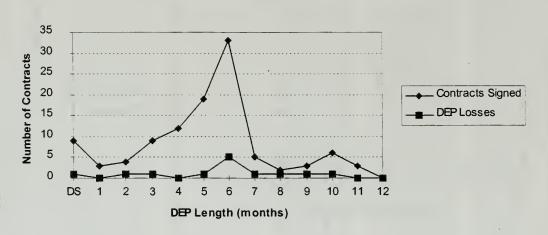
FY91 November WF Contracts



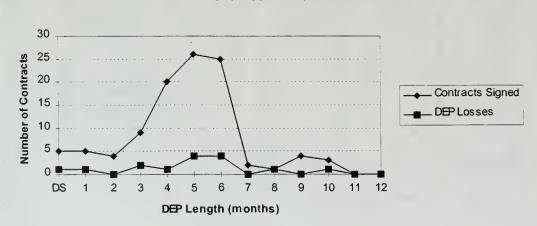
FY92 November WF Contracts



FY93 November WF Contracts



FY94 November WF Contracts

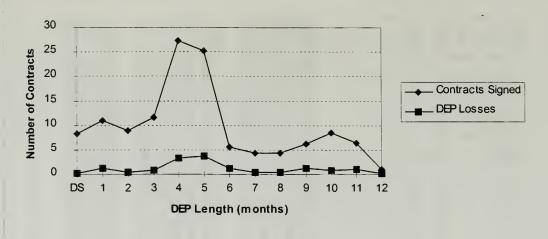


	Total 146 185 97 86 514	Total 19 23 11 8 61	Total 1.0000 1.0000 1.0000 1.0000	Total 0.1301 0.1243 0.0930 0.0187	Total 0.1466 0.1187 0.0907
	4 0 0 0 4	10007	12 0.0274 0.0000 0.0000 0.0000	12 0.2500 0.0000 0.0000 0.0000	12 0.6744 0.2500 0.0000
	11 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	100004	0.0959 0.0108 0.1031 0.0000	0.1429 0.0000 0.2000 0.0000 0.1538	0.2925 0.1538 0.0152
	10 10 33 34 34	3 1 0 2 0 0 10	10 0.0685 0.0541 0.1134 0.0349 0.0661	10 0.0000 0.2000 0.0000 0.3333 0.0882	10 0.1836 0.0882 0.0000
	9 13 5 2 2 25 25	6 1 0 1 3	9 0.0890 0.0270 0.0515 0.0233 0.0486	9 0.2308 0.2000 0.0000 0.5000 0.2000	9 0.3568 0.2000 0.0432
	8 2 9 8 1 1 1 1 1 1 1 1 1	8 7 0 7 0 7	8 0.0342 (0.0324 (0.0309 (0.0349 (0.0331)	8 0.2000 0.0000 0.3333 0.0000 0.1176	8 9 0.2708 0.3568 0.1176 0.2000 0.0000 0.0432
nths)	7 7 8 8 8 7 7 1	7 0 0 0 0 0	7 0.0137 0.0216 0.0825 0.0331	7 0.0000 0.0000 0.0000 0.6667 0.1176	7 0.2708 (0.1176 (0.0000)
ıgth (mo	6 6 22 22	0 4 0 7	6 0.0000 0.0649 0.0412 0.0698 0.0698	6 0.0000 0.333 0.0000 0.1667 0.2273	6 0.4024 (0.2273 (0.0522 (
DEP Length (months)	5 13 13 101 101	2 C 4 T C	5 0.0890 0.2270 0.1856 0.3256 0.1965	5 0.3846 0.1190 0.2222 0.0357 0.1485	5 0.2179 (0.1485 (0.0792 (
_	27 22 12 18 109	4 8 9 2 2 2 13	4 0.1849 0.2811 0.1237 0.2093 0.2121		0.1801 0.1193 0.0584
	8 8 8 9 4 46 46 46 46 46 46 46 46 46 46 46 46 4	m 0 m 0 m	3 0.0753 0.0973 0.0825 0.1047 0.0895	3 4 0.0000 0.1111 0.1667 0.1154 0.0000 0.1667 0.0052 0.1193	3 0.1366 0.0652 0.0000
	2 17 15 15 16 17 18	7 0 0 7	2 0.0822 0.0811 0.0515 0.0465 0.0700	2 0.0833 C 0.0667 C 0.0000 C 0.0000 C	2 0.1304 0.0556 0.0000
	14 44 44	1 2 - 2 0 9	0.01370 0.0757 0.0515 0.0581 0.0856	0.1000 0 0.0714 0 0.4000 0 0.0000 0	0.2074 C 0.1136 0 0.0199 C
racts	DS 2 2 33 33 33 33 33 33 33 33 33 33 33 33	DS - 0 0 -	DS 0.1027 0 0.0270 0 0.0825 0 0.0581 0	DS 0.0667 0.0000 0.0000 0.0000 0.0303	
Cont	FY 91 FY 92 FY 93 FY 94	FY 91 FY 93 FY 94 FY 98			[[[[[[[[[[[[[[[[[[[
December Work Force (WF) Contracts	Contracts Signed FY 91 FY 92 FY 93 FY 93 Total FY91-94 Contracts	DEP Losses	DEP Length Distribution FY 91 FY 92 FY 93 FY 93 Average DEP Length Distribution	Prob[DEP Loss] FY 91 FY 92 FY 93 FY 93 Average Prob[DEP Loss]	DS 95 % CI Upper Bound for Prob[DEP Loss] 0.0888 Average Prob[DEP Loss] 0.0303 95 % CI Lower Bound for Prob[DEP Loss] 0.0000

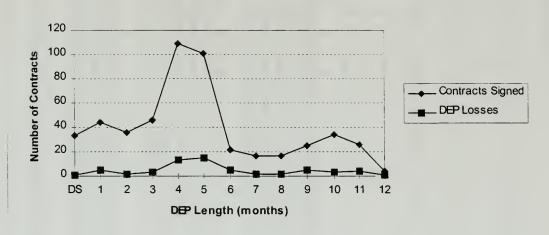
NOTE: DS represents Direct Shippers. DS recruits are shipped to recruit training during the contract signing month.

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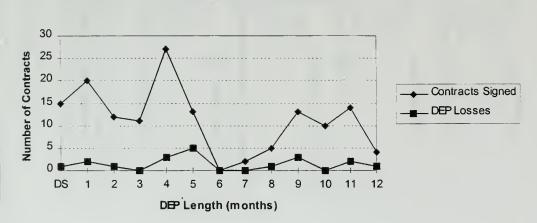
Average FY91-94 December WF Contracts



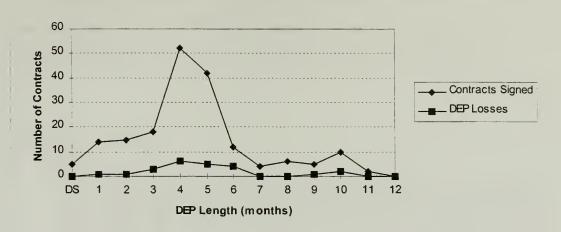
Total FY91-94 December WF Contracts



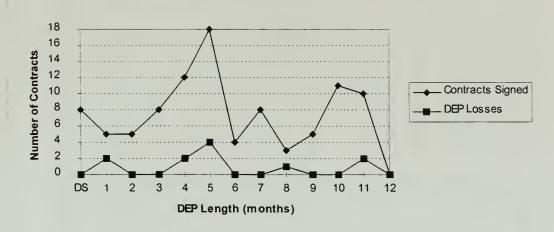
FY91 December WF Contracts



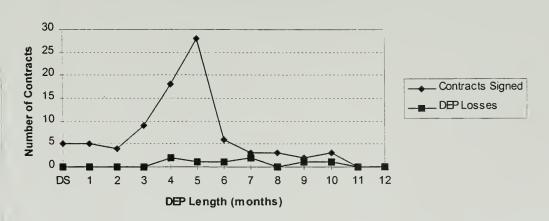
FY92 December WF Contracts



FY93 December WF Contracts



FY94 December WF Contracts



APPENDIX B. DEP PLACEMENT MODEL RESULTS

The DEP placement strategies for five scenarios are provided in Appendix B. The baseline scenario is the FY1996 New Contract Objective (NCO) for nuclear field recruits. For the remaining four scenarios, the NCO was uniformly increased by 5 %.

Scenario #1: Baseline

FY 1996 NCO		047										
Objective Fund HS Contracts	700n: 24052	.047			Ac	cession Mor	iths					
	OCT FY1	NOV FY1	DEC FY1	JAN FY1				MAY FY1	JUN FY1	JUL FY1	AUG FY1	SEP FY1
OCT FY1	0	0	0	0	0	0	0	0	0	0	0.372	0
NOV FY1	0	0	0	0	0	0	0	0	0	0.196	0	0
DEC FY1	0	0	0	0	0	0	0	0	0	0.371	0	0
JAN FY1	0	0	0	0	0	0	0	0	0	0	0	0
FEB FY1	0	0	0	0	0	0	0	0	0	0	0	0
MAR FY1	0	0	0	0	0	0	0	0	0	0	0	0
APR FY1	0	0	0	0	0	0	O	0	0	0	0	0
MAY FY1	0	0	0	0	0	0	O	0	0	0	0	0
JUN FY1	0	0	0	0	0	0	0	0	0	0	0	0
JUL FY1	0	0	0	0	0	0	0	0	oj	0	0	0
AUG FY1	0	0	0	0	0	0	0	0	0	0	0	0
SEP FY1	0	0	0	0	0	0	0	0	0	0	0	0
HS Contracts						cession Mor						0====
007.54						1	1 1	MAY FY2			. 1	
OCT FY1		0	0	0	0			0	0	0	0	0
NOV FY1		0	0	0	0	-	_	0	0	0	0	0
DEC FY1		0	0		0	-		0	0	0	0	0
JAN FY1		0	0	- 1	0		1 -	0	0	0	0	0
FEB FY1		0.368	0		0		-	0	0	0	0	0
MAR FY1		0.372	0	0	0			0	0	0	0	0
APR FY1		0		0	0			0	0	0	0	0
MAY FY1	- 1	0.369	0	•	0	1	_	0	0	0	0	0
JUN FY1		0		- 1	0			_	0.383	0	0	0
JUL FY1		0	-		0	_		_	0.268	0.116	0	0
AUG FY1		0		_	C			-	0	0.18		0
SEP FY1	0	0	0	0	C	0	0	0	0.382	0	0	0
HS Contracts					۸۵	cession Mo	othe					
110 0011000	OCT FY2	NOV FY2	DEC FY2	JAN FY2				MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2
OCT FY2		0				1		į.	0	0	0.367	0
NOV FY2	- 0	0	0	0		0	1 0	0	0	0 45	0	0
DEC FY2		0	0	0		1		0	0	0.371	0	0
JAN FY2		0	0	0		_		0	0	0	0.11	0.262
FEB FY2	0	0		_		1		_	0	0		
MAR FY2	0	0	0	0		0	0	0	0	0	0	- 0
	0	0						-	0		_	
APR FY2	0	-	_	_		-			0		-	_
· · · · · · · -									0			0
MAY FY2		0							_			
MAY FY2 JUN FY2	0	_	-		1		0	0	0	0	0	0
MAY FY2		_	0	0			-		0			

Scenario #1: Baseline (continued)

WF Contracts	00T 5	10/5	DE0 500	LAND Trees.		cession Mon			0.01.	0.0.		050 511	
OCT FY1	OCT FY1	0.188	DEC FY1	JAN FY1	FEB FY1	MAR FY1	APR FY1	MAY FY1	0.111	JUL FY1	AUG FY1	0.156	
NOV FY1	- 0	0.100	0.192	0.335	0	0	0.023	0	0.111	0	0	0.130	
DEC FY1	0	0	0	0.000	0.414		0.020	0	0	0	0		
JAN FY1	0	0	0	0	0	0.455	0	0	0	0	0		
FEB FY1	0	0	0	0	0	0	0.185	0	0	0	0.015	0	
MAR FY1	0	0	0	0	0	0	0	0.455	0	0	0	0	
APR FY1	0	0	0	0	0	0	Ö	0	0	0	0	0	
MAY FY1	0	0	0	0	0	0	0	0	0.451	0	0	0	
JUN FY1	0	0	0	0	0	0	0	0	0	0	0	0 468	
JUL FY1	0	0	0	0	0		0	0	0	0	0.469	0	
AUG FY1 T	0	0	. 0	0	0	l .	1	0	0	0	0	0.066	
SEFFII	١	١	. 0	١		1	1 1	۰,	0,	١	Ū	· ·	
WF Contracts	OCT FY21	NOV FY2	DEC FY2	JAN FY21		cession Mor MAR FY2		MAY FY2I	JUN FY2	JUL FY21	AUG FY2	SEP FY2	
OCT FY1	0	0	0	0	0		0	0	0	0	0	0	
NOV FY1	0	0	0	0	0	0	0	0	0	0	0	0	
DEC FY1	0	0	0	0	0	1	0	0	0	0	0	0	
JAN FY1	0	0	0	0	0	1	1 1	0	0	0	0	0	
FEB FY1	0	Ø	0	0	0.249	1	1	0	0	0	0	0	
MAR FY1	0	0	0	0	0	. 0	0	0	0	0	0	0	
APR FY1	0	0	0	0	0	1		0	0	0	0	0	
MAY FY1	0	0	0	0	0	1		0	0	0	0	0	
JUN FY1 T	0	0	0	0	0		_	0	0	0	0	- 0	
AUG FY1	0	0	0	0.403	0	i .		- 0	- 0	0	- 0	0	
SEP FY1	0	0.01	0	0.403	0.458				0	0	0		
WF Contracts	·			,	Ac	cession Mo	nths						
W Colliacs	OCT FY2	NOV FY2	DEC FY2	JAN FY2				MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
OCT FY2	0	0	0.063	0	0	0	0	0	0	0	0	0.385	
NOV FY2	0	0		0.402	0			0	0	0	0	0	
DEC FY2	0	0	0	0	0			0	0	0	0	1	
JAN FY2	0	0	0	0	0		1	0	0	0	0		
FEB FY2	0	0	1	0	0				0	0	0.45		
MAR FY2	0	0	0	0	0		1	0	0	0	0		
MAY FY2	0	0		0				0	0		0		
JUN FY2	0	0	0	- 0	- 0		1		. 0	0	0		
JUL FY2	- 0	_		- 0		1			0		0	i	
AUG FY2	0		i 1	0			4	-	0	0	0		
SEP FY2	0	0	0	0	0	0	0	0	0	0	0	0	
Direct Shippers	;				Ac	ccession Mo	nths						
	OCT FY1	NOV FY1	DEC FY1	JAN FY1	FEB FY1	MAR FY1							
1st increment	0.092	0		0 087	0.091								
2nd increment	0.08	0	0.087	0.087	0.091	0.087 ccession Mo	1	0.09	0.074	0.074	0.073	0.075	
	OCT FY2	NOV FY2	DEC FY2	JAN FY2				MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
1st increment	0.092			0.087	0.09			0.09	0.074	0.074	0.073	0.075	
2nd increment	0.092	0	0.087	0.087	0.09	0.087	0.091	0.09	0.074	0.074	0.073	0.075	
Accession Defi						ccession Mo							
			DEC FY1										
	0	0	0	0	1 .	72.299		92.167	0	0	0	0	
	007.5	1.00//55	DEC 5/2	1445		ccession Mo					LAUGES	CED DA	Total
	OCT FY2		141.233	JAN FY2	FEB FY	0 1.715	2 APR FY2 5 93.25	241.109	JUN FY2	JUL FY2	AUG FY2	SEP FY2	Total
F 121	b an af A -												
Expected Num			DEC FY1	JAN FY1		ccession Mo		I MAY EY1	L.IUN FY1	JUL EV1	LAUG EY1	SEP FY1	
												283.035	
	200.207					ccession Mo		.55.541	1		1	1	
					FEB FY:	2 MAR FY	2 APR FY2					SEP FY2	
	258.021	260 761	139.911	290.46	262.57	1 291.29	1 773.75	47.45	319.735	326.802	325.79	290.179	
Standard Devia	ation				A	ccession Mo	onths						
		NOV FY1	DEC FY1	JAN FY1	FEB FY	1 MAR FY	1 APR FY1	MAY FY1	JUN FY1	JUL FY1	AUG FY1	SEP FY1	
				5.069		3 4.11	2 2.489	3.105	5.013	5.856	4.316		
	5.646	3.544	3.740	0.000									
		•		1	΄ Α	ccession Mo	onths	•	•		•	SEP FY2	

Scenario #2: 105 % of FY1996 NCO

	n. 201019.	J. U			A 00	ession Mont	hs					
HS Contracts	OCT FY1	NOV FY1	DEC FY1	JAN FY1				MAY FY11	JUN FY11	JUL FY1	AUG FY11	SEP FY1
OCT FY1	0	0	DECTIO	JAIN FITT	0	0	AFREII	O	JUNETTI	0 044	0.332	3CFFT1
NOV FY1	0	0	0	0	0	0	0	0	- 0	0 122	0.332	
DEC FY1	0	0	0	0	0	0	0	0	- 0	0.375	0	 0
JAN FY1	0	0	0	0	0	0	0	0	0	0.373	0	
FEB FY1	0	0	- 0	0	0	0	0	0	0	0	0	- 0
MAR FY1	- 0	0	0	0	0		0	0	0		0	
	0											
APR FY1	- 1	0	0	0	0	0	0	0	0	0	0	0
MAY FY1	0	0	0	0	0	0	0	0	0	0	0	0
JUN FY1	0	0	0	0	0	0	0	0	0	0	0	0
JUL FY1	0	0	0	0	0	0	0	0	0	0	O	0
AUG FY1 T	0	0	0	0	0	0	0	0	0	0	0	0
SEFFII	١	O,	١	١	١	0	١	o	Ч	٩	ام	U
HS Contracts					Acc	ession Mont	hs					
		NOV FY2	DEC FY2	JAN FY2		MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2
OCT FY1	0	0	0	0	0	0	0	0	0	0	0	0
NOV FY1	0.328	0	0	0	0	0	0	0	0	0	0	0
DEC FY1	0	0	0	0	0	0	0	0	0	0	0	0
JAN FY1	0.376	0	0	0	0	0	0	0	0	0	0	0
FEB FY1	0	0	0.372	0	0	0	0	0	0	0	Ø	0
MAR FY1	0	0.376	0	0	0	0	0	- ol	0		0	0
APR FY1	0.102	0.0.0	0.27	0	0	0	- 0	0			0	- 0
MAY FY1	0.752	0.373	0	0	0	0	0	o l	0	0	0	Ö
JUN FY1	0	0.0.0	0	0	0	0	0	0	0.386	- 0	0	0
JUL FY1	0	0	0	0	0	- 0	0	0	0.300	0.177	0	0
AUG FY1	0	0	0	0	0	0	0	0	0.21	0.055	0.332	0
SEP FY1	0	0	0		0				- 1	0.000		
		- 1	-1		'	'			1			
HS Contracts						cession Mon						
								MAY FY2				
OCT FY2	0	0	0	0	0	0	0	0	0	0	0 371	0
NOV FY2	0	0	0	0	0	ď	0	0	0	0.45	0	0
DEC FY2	0	0	0	0	0	0	0	0	0	0.375	0	
JAN FY2	0	0	0		0	0	0	0	0	0		
FEB FY2	0	0	0		0,	0	0	0	0	0		
MAR FY2	0	0	0		0	0	0	0	0	0		
APR FY2	0	0.	0		0	0	0	0	0	- 0		
MAY FY2	0	0	0		0	0	0	0	O	0		
JUN FY2	0	0	0		0	0	0	0	0	0		_
JUL FY2	0	0	0		0	0		0	0	0		
AUG FY2	0	0	0		0	0	- 1			0		
SEP FY2	0	0	0	0	0	0	oi	0	0	0	0	0
WF Contracts					Acc	cession Mon	ths					
	OCT FY1	NOV FY1	DEC FY1	JAN FY1				MAY FY1	JUN FY1	JUL FY1	AUG FY1	SEP FY1
OCT FY1	0	0.179	0.146	0	0	0		0		0	0	0.055
NOV FY1	0	0	0.034	0.319	0	0	0.197	0	0	0	0	
DEC FY1	0	0	0	0	0.395	0.064		0	0	0	0	0
JAN FY1	0	0	0		0	0.459	0	0	0	0	0	0
FEB FY1	0	0	0	0	0	0		0	. 0	0	0	0
FEBELL			0		0	<u>0</u>		0.459	0	0	1 0	
MAR FY1	0	0							1			
	0	0	0		0	0	0	0.293	0			1
MAR FY1 TAPR FY1	0	0	0	0			1				n	0
MAR FY1 TAPE FY1 TAPE MAY FY1 TAPE	0	0	0	0	0	0	0	0	0.455	0		
MAR FY1 TAPR	0 0	0	0	0	0	0	0	0	0.455 0	0	0	0.472
MAR FY1 TAPR	0 0 0	0	0 0 0	0 0	0 0 0	0	0	0	0.455 0	0	0.473	0.472
MAR FY1 APR FY1 MAY FY1 JUN FY1 AUG FY1 AUG FY1	0 0 0 0	0 0 0	0 0	0 0 0	0 0 0	0 0	0 0	0 0	0.455 0 0	0	0.473 0.473	0.472 0 0.112
MAR FY1 TAPE FY1 MAY FY1 JUN FY1 JUL FY1 AUG FY1 SEP FY1 TAPE FY1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0	0	0 0	0.455 0 0	0	0.473 0.473	0.472 0 0.112
MAR FY1 TAPE	0 0 0	0 0 0	0 0 0	0 0	0 0 0 0	0 0 0 0 0 cession Mon	0 0 0 0	0 0	0.455 0 0 0	0 0	0.473	0.472 0 0.112 0
MAR FY1 APR FY1 MAY FY1 JUN FY1 JUL FY1 AUG FY1 SEP FY1 WF Contracts	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 Ac FEB FY2	0 0 0 0 0 cession Mon MAR FY2	0 0 0 0 0 0 0 0 0 0 APR FY2	0 0 0 0	0.455 0 0 0 0	0 0 0 0 0	0.473 0.473 0 0	0.472 0 0.112 0 SEP FY2
MAR FY1 TAPR	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 FEB FY2	0 0 0 0 0 cession Mon MAR FY2	0 0 0 0 0 0 ths	0 0 0 0 0	0.455 0 0 0 0 0	0 0 0 0 0 0 JUL FY2	0.473 0.473 0	0.472 0 0.112 0 0.112
MAR FY1 TAPR	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 cession Mon MAR FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0.455 0 0 0 0 0 0 0 1 JUN FY2	0 0 0 0 0 0 0 0 0 0	0.473 0.473 0 0 0	0.472 0 0.112 0 0.112
MAR FY1 TAPE PY1 APR FY1 APR FY1 AUG FY1 SEP FY1 WF Contracts OCT FY1 DEC FY1 DEC FY1 DEC FY1 DEC FY1 APR FY1 AUG FY1	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 DEC FY2	0 0 0 0 0 0 0 JAN FY2 0	0 0 0 0 0 0 0 0 0 FEB FY2	0 0 0 0 0 0 cession Mon MAR FY2 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 MAY FY2 0 0	0.455 0 0 0 0 0 0 JUN FY2 0 0	JUL FY2	0.473 0.473 0 0 0 0 0 0 0 0	0.472 0 0.112 0 0.112 0 0 0 0
MAR FY1 APR FY1 MAY FY1 JUN FY1 JUL FY1 SEP FY1 WF Contracts OCT FY1 NOV FY1 DEC FY1 JAN FY1 JAN FY1 JAN FY1 APR FY1 APR FY1 SEP FY1 SEP FY1 AN FY1 DEC FY1 JAN FY1 APR FY1 JAN FY1 APR FY1 A	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 DEC FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 FEB FY2 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 JUN FY2 0 0	JUL FY2	0.473 0.473 0 0 0 0 0 0 0 0 0	0.472 0 0.112 0 0.112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MAR FY1 APR FY1 APR FY1 MAY FY1 MAY FY1 SEP FY1 WF Contracts OCT FY1 DEC FY1 DEC FY1 DEC FY1 DEC FY1	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 DEC FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 FEB FY2 0 0	0 0 0 0 0 0 cession Mon MAR FY2 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 JUN FY2 0 0	JUL FY2	0.473 0.473 0 0 0 0 0 0 0 0 0 0	0.472 0.112 0 0.112 0 0 SEP FY2 0 0 0
MAR FY1 APR FY1 MAY FY1 JUN FY1 JUL FY1 AUG FY1 SEP FY1 WF Contracts OCT FY1 NOV FY1 DEC FY1 JAN FY1 JAN FY1 JAN FY1	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY2	0 0 0 0 0 0 0 FEB FY2 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 0 0 0 0 0 0	JUL FY2	0.473 0.473 0 0 0 0 0 0 0 0 0	0.472 0.112 0 0.112 0 0 SEP FY2 0 0 0
MAR FY1 APR FY1 APR FY1 APR FY1 SEP FY1 SEP FY1 NOV FY1 DEC FY1 JAN FY1 FEB FY1 FEB FY1 FEB FY1 APR FY	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NOV FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 FEB FY2 0 0 0 0.426	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 ths APR FY2 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 0 0 0 0 0	JUL FY2	0.473 0.473 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.472 0.112 0.112 0 SEP FY2 0 0 0 0 0 0 0 0
MAR FY1 APR FY1 APR FY1 APR FY1 AUG FY1 SEP FY1 VF Contracts OCT FY1 NOV FY1 DEC FY1 JAN FY1 FEB FY1 MAR FY1 MAR FY1 AMR FY1 MAR FY1 APR FY1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NOV FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 FEB FY2 0 0 0 0 0.426	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 162	0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 0 0 0 0 0 0	JUL FY2	0.473 0.473 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.472 0 0.112 0 0.112 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MAR FY1 APR FY1 APR FY1 AUG FY1 SEP FY1 WF Contracts OCT FY1 DCC FY1 JAN FY1 JAN FY1 APR FY1 APR FY1 APR FY1 MAY FY1 MAY FY1 MAY FY1 APR FY1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 FEB FY2 0 0 0 0 0.425	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUL FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.473 0.473 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.472 0.1112 0 0.1112 0 0 0 0 0 0 0 0 0 0
MAR FY1 APR FY1 APR FY1 AUG FY1 SEP FY1 WF Contracts OCT FY1 DEC FY1 DEC FY1 MAR FY1 AMAR FY1 AMAR FY1 AMAR FY1 AMAR FY1 JUN FY1 AMAR FY1 AMAR FY1 MAY FY1 JUN FY1 AMAR FY1 JUN FY1 AMAR FY1 AMAR FY1 AMAR FY1 JUN FY1 JUN FY1 AMAR FY1 AMAR FY1 JUN FY1 AMAR FY1 AMA	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NOV FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUL FY2	0.473 0.473 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.472 0.112 0.112 0 SEP FY2 0 0 0 0 0 0 0 0 0 0 0 0 0
MAR FY1 APR FY1 APR FY1 ANG FY1 SEP FY1 WF Contracts OCT FY1 NOV FY1 DEC FY1 JAN FY1 FEB FY1 MAR FY1 APR FY1 APR FY1 MAY FY1 MAY FY1 APR FY1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0.425 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.455 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUL FY2	0.473 0 0.473 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.472 0.112 0 0.112 0 0 0 0 0 0 0 0 0 0 0 0 0

Scenario #2: 105 % of FY1996 NCO (continued)

WF Contracts					Ac	cession Mon	ths						
	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
OCT FY2	0	0	0.205	0	0	0	0	0	0	0	0	0.249	
NOV FY2	0	0	0.139	0.411	0	0	0	0	0	0	0	0	
DEC FY2	0	0	0	0	O	0.458	0	0	0	0	0	0	
JAN FY2	0	0	0	0	0	0.413	0.046	0	0	0	0	0	
FEB FY2	0	0	0	0	0	0	0.069	0	0	0	0.386	0	
MAR FY2	0	0	0	0	0	0	0	0	0	0	0	0	
APR FY2	0	0	0	0	0	0	0	0	0	0	0	0	
MAY FY2		0	- 0	0	0	0	0	0	0	0	0	0	
JUN FY2	1	0	0	0	0	0	0	0	0	0	0	0	
JUL FY2		0	0	0	0	0	0	0	0	0	0	0	
AUG FY2		0	0	0	0	0	0	0	0	0	0	0	
SEP FY2	0	0	0	0	0	0	0	0	o	0	0	0	
Direct Shippers					۸۵	cession Mon	the						
Direct Shippers	OCT FY1	NOV FY1	DEC FY11	JAN FY1		MAR FY1		MAY FY1	JUN FY1	JUL FY11	AUG FY11	SEP FY1	
	0.088	0		0.083	0.087	0.082		0.086	0.071	0.07	0.07	0.072	
	0.077	0		0.083	0.087	0.082		0.086		0.07	0.07	0.072	
		-1				cession Mon		5.555			****	0.0.2	
	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
	0.088	0	0.083	0.083	0.087	0.082	0.087	0.086	0.071	0.07	0.07	0.072	
	0.088	0	0.083	0.083	0.087	0.082	0.087	0.086	0.071	0.07	0.07	0.072	
Accession Defic	aid.				۸۰	cession Mon	the						
Accession Den		NOV FY1	DEC FY1	JAN FY1				MAY FY1	JUN FY11	JUL FY11	AUG FY11	SEP FY1	
	0						144.769						
				- !		cession Mon		-		- 1			
	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	Total Defi
	0	0	0	0	0	0	141.264	241.109	0	0	0	0	584.
Expected Numb			DEC EVA	IAM EXAL		cession Mor		MAY EXA	1 III N E2/44	IIII EX/41	ALIC EVAL	CED EV4	
								MAY FY1					
	259.267	259.779	265.3	294.339		235.172 cession Mor		291.100	315.263	325.64	322.918	203.035	
	OCT EV2	NOV EV2	DEC EY2	IAN EV2				MAY FY2	IIIN EV2	IIII EV2	ALIG EV2	SEP EV2	
								47.45					
						cession Mor							
Standard Devia					FEB FY1	MAR FY1	APR FY1	MAY FY1			AUG FY1	SEP FY1	
Standard Devia		NOV FY1	DEC FY1							E 00	4 70E	1.237	
Standard Devia					4.993	4 232		3.14	5.023	5.86	4.205	1.231	
Standard Devia	OCT FY1 5.646	5.944	5.653	5.069	4.993 Ad	cession Mor	iths	3.14 MAY FY2	!	'			

Scenario #3: 110 % of FY1996 NCO

HS Contracts					Ac	cession Mon	ths					
c	CT FY1	NOV FY1	DEC FY1	JAN FY1	FEB FY1	MAR FY1	APR FY1	MAY FY1	JUN FY1	JUL FY1	AUG FY1	SEP FY1
OCT FY1	0	0	0	0	0	0	0	0	0	0.087	0.292	0
NOV FY1	0	0	0	0		0	0	0	0	0.051	0	- 0
DEC FY1	0	0	0	O	0	0	o	0	0	0.378	0	0
JAN FY1	0	0	0	0	0	0	0	0	0	0	O	
FEB FY1	0	0	0	0	- 0	0	0	0	0	0	0	ď
MAR FY1	0	0	0	0	0	0	0	0	0	0	0	0
APR FY1	0	0	0	0	0	0	0	0	0	0	0	0
MAY FY1	0	0	0	0	0	0	0	0	0	0	O	0
JUN FY1	0	0	0	0	0	0	0	0	0	0	0	0
JUL FY1	0	0	0	0	0	0	0	0	0	0	0	0
AUG FY1	0	0	0	0	0	0	0	0	0	0	0	0
SEP FY1	0	0	0	0	0	0	0	0	0	0	0	0
				,		•	' '	J	'		1	
						cession Mon			'		•	
(OCT FY2	NOV FY2	DEC FY2	JAN FY2			ths APR FY2	MAYFY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2
	0	NOV FY2		JAN FY2		MAR FY2		MAY FY2	JUN FY2	JUL FY2		SEP FY2
OCT FY1			0	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAYFY2 0		0	0	
OCT FY1	0	0	0	0	FEB FY2 0	MAR FY2	APR FY2 0	0	0	0	0	0
OCT FY1 OCT FY1 DEC FY1 DEC FY1 JAN FY1	0.399	0	0 0	0 0	FEB FY2 0 0	MAR FY2	APR FY2 0 0	0	0 0	0	0 0	0
OCT FY1 TO DEC FY1	0.399 0	0	0 0	0 0	FEB FY2 0 0 0	MAR FY2 0 0	APR FY2 0 0 0	0	0 0	0	0 0	0 0
OCT FY1 OCT FY1 DEC FY1 DEC FY1 JAN FY1	0.399 0.379	0 0 0 0.375	0 0 0 0 0 0	0 0 0	FEB FY2 0 0 0	0 0 0 0 0 0	APR FY2 0 0 0 0	0 0 0	0 0 0	0 0	0 0	0 0
OCT FY1 TO NOV FY1 TO DEC FY1 TO JAN FY1 FEB FY1	0.399 0.379 0.379	0 0 0 0.375 0.379	0 0 0 0	0 0 0	FEB FY2 0 0 0 0 0	MAR FY2 0 0 0 0 0 0 0 0	APR FY2 0 0 0 0 0	0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0
OCT FY1 NOV FY1 DEC FY1 JAN FY1 FEB FY1 MAR FY1	0.399 0.379 0.379 0	0 0 0 0.375 0.379	0 0 0 0 0 0 0 0 376	0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0	MAR FY2 0 0 0 0 0 0 0 0 0 0 0 0	APR FY2 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0
OCT FY1 NOV FY1 DEC FY1 JAN FY1 FEB FY1 MAR FY1 APR FY1	0.399 0.379 0.379 0	0 0 0 0.375 0.379	0 0 0 0 0 0 0 0 0 376	0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	APR FY2 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0
OCT FY1 OCT FY1 OCT FY1 OCT FY1 OCT FY1 OCT FEB FY1 APR FY1 MAY FY1 MAY FY1 MAY FY1	0.399 0.379 0.379 0	0 0 0 0.375 0.379 0 0.261	0 0 0 0 0 0 0 0376	0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0

Scenario #3: 110 % of FY1996 NCO (continued)

Objective Funct HS Contracts	17275.03				Ac	cession Mont	hs						
	OCT FY2	NOV FY2	DEC FY2.	JAN FY2				MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
OCT FY2	0	0	0'	0	0	0	0	0	0	0	0 375	0	
NOV FY2		0	0	0	0	0	0	0	0	0.391	0.059	0	
DEC FY2	0	0	0	0	0	0	0	0	0	0 378	0	0	
JAN FY2	0	0	0	0	0	0	0	0	0	0	0	0.379	
FEB FY2	0	0	0	0	0	0	0	0	0	0	0	0.375	
MAR FY2		0	0	0	0	0	0	0	0	0	0	0	
APR FY2	0	0	0	0	0	0	0	0	0	0	0	0	
MAY FY2	0	0	0	0	0	Ø	0	0	0	0	0	0	
JUN FY2		0	0	0	0	0	0	0	0	0	0	0	
JUL FY2		0	0	0	0	0	0	0	0	0	O	0	
AUG FY2		0	0	0	0	0	0	0	0	0	0	0	
SEP FY2	0	ग	0	o	o	0	0	0	0	0	0	0	
WF Contracts						cession Mont							
007.514	OCT FY1			JAN FY1							AUG FY1		
OCT FY1	0	0.171	0.171	0 205	0.007	0	0 246	0	0.05	0	0	0.064	
NOV FY1	0	0	0	0.305	0	0 000	0.245	0	0	0	0	0	
DEC FY1		0	0	0	0.371	0.092	0	0	0	0	0	0	
JAN FY1	0	0	0	0	0	0.463	0.304	0	0	0	0	0	
FEB FY1	0	0	0	0	0	0	0.301	0 463	0	0	0	0	
MAR FY1	0	0	0	0	0	0	0	0.463	0	•	0	0	
APR FY1		0	0	0	0	0	0	0.254	0 46	0	0	0	
MAY FY1	0	0	0	0	0	0	0	0	0.46	0	0	0 476	
JUN FY1		0	0	0	0	0			0	0	- 1	0 4 / 6	
JUL FY1 AUG FY1		0	0	0	0	0	0	0	0	0	0.467	0.073	
SEP FY1		0		0	0				0	0	0		
		۰						- 1					
WF Contracts	OCT EVO	NOV EVO	DEC EVO	IAN EVO		cession Mon		MANY EVOL	ILIN EVO	IIII EVO	ALIC EVO	CED EVO	
OCT FY1		NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
NOV FY1		0	0	0	0	_	0	0	0	0	0		
DEC FY1		- 0		0	0		0	0	0	0	0		
JAN FY1	- 0	0		- 0	0		0	0	0			0	
FEB FY1		0	0	-0	0.158		0	- 0	0	0	. 0		
MAR FY1		- 0	1	0	0.156	. 0		0	0	0	0	1	
APR FY1		0	0	0				0	0		0		
MAY FY1		- 0	0	0	- 0		0.205	0	0	0	0		
JUN FY1	1	0	0	0	8	1 -	0	0	0	- 0	- 0		
JUL FY1		0.01	0	- 1	0		0	_	0	0	0		
AUG FY1		0.01	0	- 1	- 0		0	0	0	0	0		
SEP FY1		0			0.475					0	0		
WF Contracts							the						
WF Contracts	OCT FY2	NOV FY2	DEC FY2	JAN FY2		cession Mon	ins APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
OCT FY2		0	0.252	0	0				0	0	0		
NOV FY2	0	0	0.231	0.319		0	0	0	0	0	0	0	
			0	0	0		0	0	0	0	0	0	
DEC FY2	0	0				ł	0.094	0	. 0	0		1	
DEC FY2 JAN FY2		0	1	0	0								
	0		0	0	- 0	0	0.211	0	0	0			
JAN FY2	0	0	0					0	0	0		0	
JAN FY2 FEB FY2	0	0	0	0	0	0	0	0			0.248	0	
JAN FY2 FEB FY2 MAR FY2	0 0 0	0	0 0	0	0	0	0	0	0	0	0.248 0 0	0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2	0	0 0 0	0 0	0 0	0	0	0	0	0	0	0.248 0 0	0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2	0 0 0	0 0 0	0 0 0	0 0 0	0 0	0	0 0	0 0	0 0 0	0	0.248 0 0 0	0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2	0 0 0 0	0 0 0 0	0 0	0 0 0 0	0 0	0 0	0 0	0 0 0	0 0 0	0	0.248 0 0 0 0	0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2	0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0	0 0 0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0	0.248 0 0 0 0 0	0 0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	0 0 0	0 0 0 0 0 0	0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0.248 0 0 0 0 0	0 0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2 AUG FY2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY1 0.079 0.079 0.079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUN FY1 0.067 0.067	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0.068 0.068 0.068	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JAN FY1 0.079 0.079 0.079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUN FY1 0.067 0.067	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0.068 0.068 0.068	
JAN FY2 FEB FY2 MAR FY2 APR FY2 JUN FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY1 DEC FY2	JAN FY1 0.079 0.079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUN FY1 0.067 0.067	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0.068 0.068 0.068	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY2 DEC FY2 DOT9 DEC FY1 DEC FY2	JAN FY1 JAN FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CCESSION MORE MAR FY1 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1	JUN FY1 0.067 0.067 0.067 0.067	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 SEP FY2 O.068 SEP FY2 O.068 SEP FY2 SEP FY1 SEP FY2 SEP FY1	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY1 DEC FY2	JAN FY1 JAN FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1	JUN FY1 0.067 0.067	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 SEP FY2 O.068 SEP FY2 O.068 SEP FY2 SEP FY1 SEP FY2 SEP FY1	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY1 DEC FY2 DEC FY2 DEC FY1 DEC FY1 DEC FY1 DEC FY1	JAN FY1 JAN FY1 JAN FY1 JAN FY1 O O O O O O O O O O O O O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ccession More MAR FY1 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUN FY1 JUN FY1 JUN FY2 JUN FY2 JUN FY2 JUN FY1 O.067	JUL FY1 JUL FY1 JUL FY1 JUL FY1 JUL FY1	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0 068 0 068 0 068 0 068 0 068	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY2 JAN FY1 JAN FY2 JAN FY2 JAN FY2 JAN FY2 JAN FY1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CCESSION MORE MAR FY1 O.079 COMPAR FY2 O.079 CCESSION MORE MAR FY2 O.079 CCESSION MORE MAR FY2 O.079 O.079 CCESSION MORE MAR FY2 AT 538 CCESSION MORE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1 0.082 0.082 MAY FY2 0.082 MAY FY2 0.082	JUN FY1 0.067 0.067 0.067 0.067 JUN FY2 0.067 JUN FY1 0.067	JUL FY1 0.067 0.067 0.067 0.067 JUL FY2 0.067 JUL FY1 0.067	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0 058 0 068 SEP FY1 0 068 SEP FY2			
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY1 DEC FY2 DEC FY2 DEC FY1 DEC FY1 DEC FY1 DEC FY1	JAN FY1 JAN FY2 JAN FY2 JAN FY2 JAN FY2 JAN FY1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CCESSION MORE MAR FY1 O.079 COMPAR FY2 O.079 CCESSION MORE MAR FY2 O.079 CCESSION MORE MAR FY2 O.079 O.079 CCESSION MORE MAR FY2 AT 538 CCESSION MORE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUN FY1 0.067 0.067 0.067 0.067 JUN FY2 0.067 JUN FY1 0.067	JUL FY1 0.067 0.067 0.067 0.067 JUL FY2 0.067 JUL FY1 0.067	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0 058 0 068 SEP FY1 0 068 SEP FY2		
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUN FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	OCT FY1 0.084 0.073 OCT FY1 0.084 0.073 OCT FY2 0.084	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY2 JAN FY1 JAN FY2 JAN FY2 JAN FY2 JAN FY2 JAN FY1 00000000000000000000000000000000000000	CCESSION MORE MAR FY1 O.079 COMPAR FY2 O.079 CCESSION MORE MAR FY2 O.079 CCESSION MORE MAR FY2 O.079 O.079 CCESSION MORE MAR FY2 AT 538 CCESSION MORE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1 0.082 0.082 MAY FY2 0.082 MAY FY2 0.082	JUN FY1 0.067 0.067 0.067 0.067 JUN FY2 0.067 JUN FY1 0.067	JUL FY1 0.067 0.067 0.067 0.067 JUL FY2 0.067 JUL FY1 0.067	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0 058 0 068 SEP FY1 0 068 SEP FY2			
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUL FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 0.079 0.079 0.079 0.079 0.079 0.079	JAN FY1 JAN FY1 JAN FY1 0 JAN FY1 0 JAN FY2 0 JAN FY2 0 JAN FY1 0 JAN FY1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ccession More MAR FY1 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1 0.082 0.082 0.082 0.082 0.082 0.082 0.082	JUN FY1 0.067 0.067 0.067 0.067 0.067	JUL FY1 0.067 0.067 0.067 0.067 0.067 JUL FY2 0.067	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 0.068 0.068 0.068 0.068 0.068	
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUL FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY2 DEC FY2 DEC FY2 DEC FY2 DEC FY2	JAN FY1 JAN FY1 JAN FY1 JAN FY1 JAN FY1 JAN FY2 JAN FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CCCSSION MORE MAR FY1 MAR FY2 MAR FY3 000 000 000 000 000 000 000 000 000 00	MAY FY1	JUN FY1 JUN FY1 JUN FY1 JUN FY1 JUN FY1 JUN FY1 JUN FY2 JUN FY2 JUN FY1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 O 068 SEP FY1 O 068 SEP FY2 O 068 SEP FY2 O 068 SEP FY2 O 068 SEP FY1 O 068		
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUL FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1 DEC FY2 DEC FY2 DEC FY2 DEC FY2 DEC FY2	JAN FY1 JAN FY1 JAN FY1 JAN FY1 JAN FY1 JAN FY2 JAN FY2	00000000000000000000000000000000000000	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1	JUN FY1 JUN FY1 JUN FY1 JUN FY1 JUN FY1 JUN FY1 JUN FY2 JUN FY2 JUN FY1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 O 068 SEP FY1 O 068 SEP FY2 O 068 SEP FY2 O 068 SEP FY2 O 068 SEP FY1 O 068	Total D
JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2 JUL FY2 JUL FY2 AUG FY2 SEP FY2 Direct Shippers	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NOV FY1 NOV FY1 NOV FY1 NOV FY1 NOV FY2 NOV FY1 NOV FY2 NOV FY2 NOV FY2	DEC FY1	JAN FY1 JAN FY1 JAN FY1 JAN FY1 JAN FY2 JAN FY1 JAN FY2 JAN FY2 JAN FY2 JAN FY2 JAN FY3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ccession More MAR FY1 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079 0.079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1 0082 0082 0082 0082 0082 0082 0082 008	JUN FY1 0.067 0.067 0.067 0.067 0.067 0.067 0.067	JUL FY1 0.067 0.067 0.067 0.067 0.067 0.067 0.067 0.067	0.248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP FY1 O 068 SEP FY1 O 068 SEP FY2 O 068 SEP FY2 O 058 SEP FY2 O 058 SEP FY1 SEP FY1 SEP FY1 O 058	

Section #3: 110% of FY1996 NCO (continued)

FY1996 NCO: 1.10 Objective Function: 14249.6	697										
Standard Deviation				Acc	ession Mont	ths					
OCT FY1	NOV FY1	DEC FY1	JAN FY1	FEB FY1	MAR FY1	APR FY1	MAY FY1	JUN FY1	JUL FY1	AUG FY1	SEP FY1
5.646	5.944	5.632	5.069	4.999	4.363	3.792	3.175	5.034	5.866	4.078	1.237
				Acc	ession Moni	ths					
			JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2
5.263	6.696	4.719	2.724	2.905	4.263	3.244	1.556	7.665	6.278	7.199	6.391
			,								

Scenario #4: 115 % of FY1996 NCO

	1: 9479.403	3										
IS Contracts						cession Mon						
			DEC FY1						JUN FY1			
OCT FY1	0	0	0	0	0	0	0	0	0	0	0.382	0
NOV FY1	0	0	0	0	0	0	0	0		0.105	0	0
DEC FY1	0	0	0	0	0	0		0		0.382	0	0
JAN FY1	0	0	0	0	0		0	0		0	0	0
FEB FY1	0	0	0	0	0	0		0		0.	0	0
MAR FY1	0	0	0	0	0			0		0	0	0
APR FY1	0	0	0	0	0	0		0		0		0
MAY FY1	0	0	0	0	0	0	0	0		0	- 1	0
JUN FY1	0	0	0	0	0	0		0		0	0	0
JUL FY1	0	0	0	0	0	0		0		0	0	0
AUG FY1	0	0	0	0	0			0		0		0
SEP FY1	0	0	0	0	0	0	0	0	0	0	0	0
IS Contracts						cession Mon						
			DEC FY2						JUN FY2			
OCT FY1	0	0	0	0	0			0		0	0	0
NOV FY1	0.345	0	0	0	0			0		0	0	0
DEC FY1	0	0	0	0	0	0	_	0	1	0	0	0
JAN FY1	0.382	0	0	0	0	_	1	0	1	0	0	0
FEB FY1	0	0.379	0	0	0			0		0		
MAR FY1	0	0.382	0	0	0		_	0		0	0	0
APR FY1	0.013	0	0.365	0	0		-	0		0	0	
MAY FY1	0	0.227	0	0	0			0		0		
JUN FY1	0	0	0	0	0	_	_	0			0	0
JUL FY1	0	0		0	0			0	1	1 1	0	0
AUG FY1	0	0		0	0	1 -				0		
SEP FY1	0	0	0	0	0	0	0	0	0.391	0	0	0
IS Contracts									•			
	OCT EV2	NOV EV2	L DEC EV2	IAN EV2		cession Mor		I MAVEVO		EV2	L AUG EV2	SED EV2
			DEC FY2		FEB FY2	MAR FY2	APR FY2		JUN FY2			
OCT FY2	0	0	0	0	FEB FY2	MAR FY2	APR FY2	0	0	0	0.378	0
OCT FY2 NOV FY2	0	0	0	0	FEB FY2	MAR FY2	APR FY2	0	0	0.287	0.378 0.163	0
OCT FY2 NOV FY2 DEC FY2	0 0	0	0	0	FEB FY2 0 0	MAR FY2	APR FY2 0 0	0	0 0	0.287 0.382	0.378 0.163	0
OCT FY2 NOV FY2 DEC FY2 JAN FY2	0 0 0	0	0 0 0	0 0 0	FEB FY2 0 0 0	MAR FY2	APR FY2 0 0 0	0 0	0 0	0.287 0.382 0	0.378 0.163 0 0.1	0 0 0 0.282
OCT FY2 NOV FY2 DEC FY2 JAN FY2 FEB FY2	0 0 0 0	0 0 0	0 0 0	0 0 0	FEB FY2 0 0 0 0	MAR FY2	0 0 0 0 0	0 0	0 0	0.287 0.382 0	0.378 0.163 0 0.1	0 0 0 0.282 0.379
OCT FY2 NOV FY2 DEC FY2 JAN FY2 FEB FY2 MAR FY2	0 0 0 0	0	0 0 0	0 0 0 0	9 PEB FY2	MAR FY2	0 0 0 0 0 0	0 0	0 0 0	0.287 0.382 0	0.378 0.163 0 0.1 0.1	0 0 0 0.282 0.379
OCT FY2 NOV FY2 DEC FY2 JAN FY2 FEB FY2 MAR FY2 APR FY2	0 0 0 0	0 0 0	0 0 0 0	0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0	MAR FY2	0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0	0.287 0.382 0 0 0	0.378 0.163 0 0.1 0.1 0 0	0 0 0 0.282 0.379 0
OCT FY2 NOV FY2 DEC FY2 JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2	0 0 0 0 0 0	0 0 0	0 0 0 0 0	0 0 0	0 0 0 0 0 0 0 0	MAR FY2	APR FY2 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0	0.287 0.382 0 0 0 0	0.378 0.163 0 0.1 0 0.1 0 0	0 0 0.282 0.379 0
OCT FY2 TO NOV FY2 TO DEC FY2 TO AN FY2 TO AN FY2 TO APR FY2 TO MAY FY2 TO NOV FY2 TO	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	MAR FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.287 0.382 0 0 0 0 0	0.378 0.163 0 0.1 0 0 0 0 0	0 0 0.282 0.379 0
OCT FY2 NOV FY2 DEC FY2 JAN FY2 FEB FY2 MAR FY2 APR FY2 MAY FY2	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0.287 0.382 0 0 0 0 0 0 0	0.378 0.163 0 0.1 0 0 0 0 0 0	0 0 0.282 0.379 0 0
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OCT FY2 — NOV FY2 — DEC FY2 — JAN FY2 — FEB FY2 — MAR FY2 — APR FY2 — MAY FY2 — JUL FY2 — AUG FY2 — SEP FY2 — WF Contracts	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR FY2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.287 0.382 0 0 0 0 0 0 0 0 0 0	0.378 0.163 0 0.1 0 0 0 0 0 0 0	0 0 0 282 0.379 0 0 0 0
OCT FY2 — NOV FY2 — DEC FY2 — JAN FY2 — FEB FY2 — MAR FY2 — APR FY2 — MAY FY2 — JUL FY2 — AUG FY2 — SEP FY2 — WF Contracts	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	APR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.287 0.382 0 0 0 0 0 0 0 0 0 0	0.378 0.163 0 0.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 282 0 379 0 0 0 0 0
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OCT FY2 NOV FY2 DEC FY2 JAN FY2 FEB FY2 APR FY2 APR FY2 JUN FY2 JUN FY2 JUN FY2 AUG FY2 VF Contracts OCT FY1 NOV FY1 DEC FY1 DEC FY1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	APR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 00 00 00 00 00 00 00 00 00 00 00 00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.287 0.382 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.378 0.163 0.17 0.17 0.07 0.07 0.07 0.07 0.07 0.07	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OCT FY2— NOV FY2— DEC FY2— JAN FY2— FEB FY2— AMR FY2— AMR FY2— AMY FY2— JUL FY2— JUL FY2— SEP FY2— WF Contracts OCT FY1— NOV FY1— DEC FY1— JAN FY1— FEB FY1— AMR FY1— AMR FY1— AMR FY1—	OCT FY1	NOV FY1 0 164 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DEC FY1	JAN FY1 0 0.292 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FEB FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	APR FY2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MAY FY1 C C C C C C C C C C C C C C C C C C C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JUL FY1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.378 0.183 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Scenario #4: 115 % of FY1996 NCO (continued)

Unlective Fund	1.15 tion. 9479.40	3											
WF Contracts					Act	cession Mont	hs						
WI Commaco	OCT EV2	NOV EV2	DEC EV2	IAN EV2		MAR FY2		MAY EV21	ILIN EV2	IIII EV2	ALIG EV21	SEP EV2	
OCT FY1		0	0	0	0	0	0	0	0	0	0	0	
NOV FY1		0	0	0	- 0	0	0	- 0	0	0	0	0	
DEC FY1		0	- 0	0	0	0		0	0	0	0	0	
		- 1	- 1	-	- 1		- 0		0	0	0		
JAN FY1		0	0	0	0	0		0	- 1			0	
FEB FY1		0	0	0	0.123	0	0	0	0	0	0	0	
MAR FY1		0	0	0	0	0	0	0	0	0	0	0	
APR FY1		0	0	0	0	0	0.151	0	0	0.	0	0	
MAY FY1	0	0	0	0	0	0	0	0	0	0.	0	0	
JUN FY1	0	0	0	0	0	0	0	O	0	0	0	0	
JUL FY1	0	0	0,	0	0	0	0	0.098	0	0	0	0	
AUG FY1	0	0	0	0.385	0	0	0	o	0	0	0	0	
SEP FY1		0	0	0	0 478	0	0	0	0	0	0	0	
		,			'		'	'					
WF Contracts						cession Mon							
						MAR FY2							
OCT FY2		0	0.214	0	0	0	- 1	0	0	0	0	0.248	
NOV FY2		0	0.243	0.307	0	0	0	0	0	0	0	0	
DEC FY2	0	0	0	0	0	0.466	0	٥	0	0	0	0	
JAN FY2	0	0	0	0	0	0.329	0.138	0	0	0	0	0	
FEB FY2	0	0	0	0	0	0	0.314	0.107	0	0	0.042	0	
MAR FY2	0	0	0	0	0	0	0	0	0	0	0	0	
APR FY2		0	0	0	0	0	0	0	0	0	0		
MAY FY2		0	0	0	- 0	0		0	0	0	0		
JUN FY2		0	0	0	0	ō		0	0	0	0		
JUL FY2		- 0	0	0	0		0	0	0	0	0	_	
AUG FY2		0	0	0	- 0	0	_		0	0	0	_	
SEP FY2	1	- 0	- 0	0		0		0		0			
Direct Shippers	i				Ac	cession Mon	ths						
						MAR FY1							
	80 0	0	0.076	0.075						0.064			
	0.07	0	0.076	0.075	0.079	0.075	0.079	0.078	0.065	0.064	0.064	0.065	
						cession Mon							
	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
	0.08	0	0.076	0.075	0.079	0.075	0.079	0.078	0.065	0.064	0.064	0.065	
	80.0		0.076	0.075	0.079	0.075	0.079	0.078	0.065	0.064	0.064	0.065	
Accession Defi						cession Mon					4110		
	OCT EVE	NOV FY1				MAR FY1	APR FY1						
					0					0	0	0	
	0	0	0	0	_			0	0	U			
	0	- 1		'	Ac	cession Mon	ths		•	'			
	0	NOV FY2	DEC FY2	JAN FY2	Ac FEBFY2	cession Mon	ths APR FY2	MAY FY2	JUN FY2	JUL FY2			
	0	- 1	DEC FY2	JAN FY2	Ac FEBFY2	cession Mon	ths APR FY2		JUN FY2	JUL FY2			
Funnand !	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	ths APR FY2	MAY FY2	JUN FY2	JUL FY2			
Expected Num	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	ths APR FY2 0	MAY FY2 179.01	JUN FY2	JUL FY2	0	0	
Expected Num	OCT FY2 Ober of Access OCT FY1	NOV FY2 0 sions NOV FY1	DEC FY2	JAN FY2	FEB FY1	MAR FY2 0 ccession Mon	ths APR FY2 0 ths APR FY1	MAY FY2 179.01 MAY FY1	JUN FY2	JUL FY2	AUG FY1	SEP FY1	
Expected Num	OCT FY2 Ober of Access OCT FY1	NOV FY2 0 sions NOV FY1	DEC FY2	JAN FY2	Ac FEB FY2 0 Ac FEB FY1 266-404	MAR FY2 cession Mon MAR FY1 293.681	ths APR FY2 0 0 1 1 1 1 1 1 1 1	MAY FY2 179.01 MAY FY1	JUN FY2	JUL FY2	AUG FY1	SEP FY1	
Expected Num	OCT FY2 0 ber of Access OCT FY1 259:287	NOV FY2 0 sions NOV FY1 259.779	DEC FY1 285.264	JAN FY1 JAN FY1 294.339	Ac FEB FY2 0 Ac FEB FY1 266 404 Ac	cession Mon cession Mon MAR FY1 293.681	ths APR FY2 0 ths APR FY1 273.957	MAY FY2 179.01 MAY FY1 291.059	JUN FY2 0 JUN FY1 315.297	JUL FY1 325.475	AUG FY1 323.591	SEP FY1 283.035	
Expected Num	OCT FY2 0 ber of Access OCT FY1 259:287 OCT FY2	NOV FY2 Sions NOV FY1 259.779 NOV FY2	DEC FY1 285.264 DEC FY2	JAN FY1 JAN FY1 294,339 JAN FY2	Ac FEB FY2 0 Ac FEB FY1 266.404 Ac FEB FY2	cession Mon MAR FY2 0 cession Mon MAR FY1 293.681 cession Mon MAR FY2	ths APR FY2 0 ths APR FY1 273.957 ths APR FY2	MAY FY2 179.01 MAY FY1 291.059	JUN FY1 JUN FY1 315.297 JUN FY2	JUL FY2 JUL FY1 325.475 JUL FY2	AUG FY1 323.591 AUG FY2	SEP FY1 283.035	
Expected Num	OCT FY2 0 ber of Access OCT FY1 259:287 OCT FY2	NOV FY2 Sions NOV FY1 259.779 NOV FY2	DEC FY1 285.264 DEC FY2	JAN FY1 JAN FY1 294,339 JAN FY2	Ac FEB FY2 0 Ac FEB FY1 266.404 Ac FEB FY2	cession Mon Cession Mon MAR FY1 293.681 Cession Mon	ths APR FY2 0 ths APR FY1 273.957 ths APR FY2	MAY FY2 179.01 MAY FY1 291.059	JUN FY1 JUN FY1 315.297 JUN FY2	JUL FY2 JUL FY1 325.475 JUL FY2	AUG FY1 323.591 AUG FY2	SEP FY1 283.035	
	OCT FY2 OCT FY1 259.287 OCT FY2 258.579	NOV FY2 Sions NOV FY1 259.779 NOV FY2	DEC FY1 285.264 DEC FY2	JAN FY1 JAN FY1 294,339 JAN FY2	Ac FEB FY2 0 Ac FEB FY1 266.404 Ac FEB FY2 262.864	cession Mon MAR FY2 0 cession Mon MAR FY1 293.681 cession Mon MAR FY2 293.003	ths APR FY2 0 0 0 0 0 0 0 0 0	MAY FY2 179.01 MAY FY1 291.059	JUN FY1 JUN FY1 315.297 JUN FY2	JUL FY2 JUL FY1 325.475 JUL FY2	AUG FY1 323.591 AUG FY2	SEP FY1 283.035	
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	OCT FY2 OT ber of Access OCT FY1 259.287 OCT FY2 258.579 ation OCT FY1	NOV FY2 0 5ions NOV FY1 259.779 NOV FY2 261.163	DEC FY1 285.264 DEC FY2 283.82 DEC FY1	JAN FY2 JAN FY1 294.339 JAN FY2 290.48	Ac FEB FY1 266.404 Ac FEB FY2 262.864	cession Mon MAR FY2 0 cession Mon MAR FY1 293.681 cession Mor MAR FY2 293.003 cession Mor MAR FY1	ths APR FY2 0 0 0 0 0 0 0 0 0	MAY FY1 291.059 MAY FY2 111.958	JUN FY2 JUN FY1 315.297 JUN FY2 319.545	JUL FY2 JUL FY1 325.475 JUL FY2 326.521	AUG FY1 323.591 AUG FY2 329.325	SEP FY1 283.035 SEP FY2 291.075	
	OCT FY2 0 ber of Access OCT FY1 259.287 OCT FY2 258.579	NOV FY2 0 5ions NOV FY1 259.779 NOV FY2 261.163	DEC FY1 285.264 DEC FY2 283.82 DEC FY1	JAN FY2 JAN FY1 294.339 JAN FY2 290.48	Ac FEB FY1 266.404 Ac FEB FY2 262.864 Ac FEB FY1 5.109	cession Mon MAR FY2 0 cession Mon MAR FY1 293.681 cession Mor MAR FY2 293.003 cession Mor MAR FY1 4.669	ths APR FY2 0 APR FY1 273.957 APR FY2 273.485 APR FY1 4.229	MAY FY1 291.059 MAY FY2 111.958	JUN FY2 0 315.297 JUN FY2 319.545	JUL FY2 JUL FY1 325.475 JUL FY2 326.521	AUG FY1 323.591 AUG FY2 329.325	SEP FY1 283.035 SEP FY2 291.075	
	OCT FY2 OCT FY1 259.287 OCT FY2 258.579 ation OCT FY1 5.646	NOV FY2 0 Sions NOV FY1 259.779 NOV FY2 261.163 NOV FY1 5.944	DEC FY1 285.264 DEC FY2 283.82 DEC FY1 5.632	JAN FY1 294.339 JAN FY2 290.48 JAN FY1 5.069	FEB FY1 266.404 AC FEB FY2 262.864 AC FEB FY1 5.109 AC	cession Mon MAR FY1 293.681 cession Mon MAR FY2 293.003 ccession Mon MAR FY1 4.669 ccession Mon MAR FY1	ths APR FY2 0 0 0 0 0 0 0 0 0	MAY FY2 179.01 MAY FY1 291.059 MAY FY2 111.958 MAY FY1 3.075	JUN FY1 315.297 JUN FY2 319.545 JUN FY1 5.044	JUL FY2 0 JUL FY1 325.475 JUL FY2 326.521 JUL FY1 5.76	AUG FY1 323.591 AUG FY2 329.325 AUG FY1 4.614	SEP FY1 283.035 SEP FY2 291.075 SEP FY1 1.237	
	OCT FY2 OCT FY1 259.287 OCT FY2 258.579 ation OCT FY1 5.646	NOV FY2 0 sions NOV FY1 259.779 NOV FY2 261.163 NOV FY1 5.944	DEC FY1 285.264 DEC FY2 283.82 DEC FY1 5.632	JAN FY2 JAN FY1 294 339 JAN FY2 290 48 JAN FY1 5.069	Ac FEB FY2 266.404 Ac FEB FY2 262.864 Ac FEB FY1 5.109 Ac FEB FY2 FEB	cession Mon MAR FY2 0 cession Mon MAR FY1 293.681 cession Mor MAR FY2 293.003 cession Mor MAR FY1 4.669 cession Mor MAR FY1 MAR FY1 MAR FY2	ths APR FY2 0 0 ths APR FY1 273.957 ths APR FY2 273.485 ths APR FY1 4.229 ths	MAY FY2 179.01 MAY FY1 291.059 MAY FY2 111.958 MAY FY1 3.075	JUN FY2 JUN FY1 315.297 JUN FY2 319.545 JUN FY1 5.044	JUL FY2 0 JUL FY1 325.475 JUL FY2 326.521 JUL FY1 5.76	AUG FY1 323.591 AUG FY2 329.325 AUG FY1 4.614	SEP FY1 283.035 SEP FY2 291.075 SEP FY1 1.237	

Scenario #5: 120 % of FY1996 CO

	ion: 5143.0	00										
HS Contracts					AC	cession Mon	ths					
	OCT FY1	NOV FY1	DEC FY1	JAN FY1	FEB FY1	MAR FY1	APR FY1	MAY FY1	JUN FY1	JUL FY1	AUG FY1	SEP FY1
OCT FY1	0	0	0	0	0	0	0	0	0	0	0.385	0
NOV FY1	0	0	0	0	0	0	0	0	0	0.079	0	0
DEC FY1	0	0	0	0	0	0	0	0	0	0.384	0	
JAN FY1	0	0	0	0	0	0	0	0	0	0	0	0
FEB FY1	0	0	0	0	0	0	0	0	0	0	0	0
MAR FY1	0	0	0	0	0	0	0	0	0	0	0	0
APR FY1	0	0	0	0	O	0	0	0	0	0	0	0
MAY FY1		0	0	0	0	0	0	0	0	0	0	0
JUN FY1		0	0	0	0	0	0	0	0	0	0	0
JUL FY1		0	0	0	0	0	0	0	0	0	0	0
AUG FY1		0	0	0	0	0	0	0	0	0	0	0
SEP FY1	0	0	0	0	0	0	0	0	0	0	0	0

Scenario #5: 120 % of FY1996 NCO (continued)

1S Contracts	n. 5143.06				Acc	ession Mon	ths					
	OCT FY2	NOV FY2	DEC FY2	JAN FY2			APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2
OCT FY1	0	0	0	0	0	0	0	0	0	0	0	0
NOV FY1	0.303	0	0	0	0	0		0	0	0	0	0
DEC FY1	0	0	0	0	0	0	0	0	0	0	0	0
JAN FY1 TEB FY1	0.385	0.307	0.075	0	0	0		0	0	0		0
MAR FY1	0	0.385	0.075	0	0	0	1	0	0	0:	0	0
APR FY1	0.02	0.565	0.362	0	0	0		0	0	0	- 0	- 0
MAY FY1	0	0.117	0	0	0	0		0	0	0	0	0
JUN FY1	0	0	0	0	-0	0		0	0.394	0	0	0
JUL FY1 -	0	0	0	0	0	0	0	0	0.066	0.329	0	0
AUG FY1	0	٥	Ö	0	0	0		0	0	0	0.383	0
SEP FY1	0	0	0	0	0	0	0	0	0.394	0	0	0
JC Cantenata							Ab					
HS Contracts	OCT EV21	NOV EV21	DEC FY2	IAN EVOI		cession Mon		MAY FY2	IIINI EVOI	IIII EV21	ALIC EVS	SEDEVO
OCT FY2	0	0	0	0	0	0		0	0	0	0.381	0
NOV FY2	0	0	0	0	0	- 0			0		0.19	- 0
DEC FY2	0	0	0	0	0			0	0	0.384	0.75	0
JAN FY2	0	0	0	0	0	0		. 0	0	0	0.089	0.296
FEB FY2	0	0	0	0	0	0		0	. 0	0	0	0.382
MAR FY2	0	0	0	0	0	0		0	0			0
APR FY2	0	0	0	0	0	0		0	0	0		0
MAY FY2 T	0	0	0	0	0	0		0	0			0
JUL FY2	0	0	0	0	0	0		0	0			
AUG FY2	0	0	0	0	0		1 -1	0	- 0			
SEP FY2	0				- 0				0			
		'		- }			, -,	- 1			l	1
WF Contracts						cession Mon						
			DEC FY1				APR FY1				AUG FY1	
OCT FY1	0	0.03	0.157	0	0.17	0	l I	0	0.028	0		0.086
NOV FY1	0	0	0	0.279	0 404	0 0 0 7 0		0	0	0		0
DEC FY1 T	0	0	0	0	0.191	0.279 0.361		0	0		4	1
FEB FY1	- 0	- 0	0	0	- 0	0.301		0	- 0			
MAR FY1	0	0	0	0	0	0	1	0.471	0			0
APR FY1	0	0	0	0	0	0		0.186	0			0
MAY FY1	0	0	0	0	0	0	0	0	0.44	0	0	0
JUN FY1 ~	0	0	0	0		0		0	0			
JUL FY1	0		1			0			0			
AUG FY1	0				0	0		0	0			
SEP FY1	0	0	0	0	0	0	0	0	0	0	1	, ,
WF Contracts					Ac	cession Mor	nths					
	OCT FY2	NOV FY2	DEC FY2	JAN FY2			APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2
OCT FY1	0	0	0	0	0	0		0	0			0
NOV FY1	0					C		0	0			1
DEC FY1	0	0				C	-	0	0			1
JAN FY1	0	0							0			1
FEB FY1	0				L				0	1	1	0
MAR FY1 TAPR FY1	0			, -				0	0			1
MAY FY1	- 0			0		1			0			
JUN FY1	0			0		l .			- 0			
JUL FY1	0				-	}			Ö	1		
AUG FY1	0					1			0	0	1	
SEP FY1	0	0	0	0	0.481	1	0	0	0	0	0	0
WF Contracts	OCT EVA	NOVE S	1 DEC 510	LANES		cession Moi		LAMVES	L IIIIN ESM	U 1111 ES20	L AUG EV) SED EV2
OCT FY2								MAY FY2				
NOV FY2	0		0.004	B 278	_	ļ	0 0	0.213	0		·	0.202
DEC FY2	0		1			}						-
JAN FY2	<u>ŏ</u>											-
	0						0					
FEB FY2	0						0				5	
FEB FY2 TMAR FY2		, 0	0				0					
	0					1 7	0 0	0		7	5	0
MAR FY2 APR FY2 MAY FY2	0	0	1	1		1		-			-	
MAR FY2 TAPR	0	0	0	0	0	 	0	0	-			0
MAR FY2 TAPE APR	0	0		0	C		0 0	0 0	- 0) () (0
MAR FY2 TAPR	0	0		0	0		0		0			

Scenario #5: 120 % of FY1996 NCO (continued)

Objective Funct	011. 0143.0					cession Mont	the						
Direct Shippers	OCT EVI	NOV FY1	DEC EVI	IAN EVA				MAY FY1	II IN EVI	IIII EVI	AUG FY1	CED EV4	
	0.077	0.076	0.073	0.072	0.076	0.072	0.076	0.075	0.062	0.061	0.061	0.063	
	0.067	0.076	0.073	0.072				0.075	0.062	0.061		0.063	
	0.007	0.076	0.073	0.072		cession Mont		0.075	0.062	0.001	u.001	0.063	
	OCT EV2	NOV FY2	DEC EY2	JAN EV2			APR FY2	MAY FY2	ILIN EY2	JUL EV2	AUG FV2	SEP EV2	
	0.077	0.076	0.073	0.072	0.076	0.072	0.076	0.075	0.062	0.061	0.061	0.063	
	0.077	0.076		0.072				0.075	0.062	0.061	0.061		
	0.077	0.070		7.072	0.0.0	0.072	0.010	7.2.0		,			
Accession Defic	cit				Ac	cession Mont	ths						
	OCT FY1	NOV FY1	DEC FY1	JAN FY1	FEB FY1	MAR FY1	APR FY1	MAY FY1	JUN FY1	JUL FY1	AUG FY1	SEP FY1	
	0	0	0	0	0	0	0	0	0	0	0	0	
					Ac	cession Mon	ths '	,					
	OCT FY2	NOV FY2	DEC FY2	JAN FY2	FEB FY2	MAR FY2	APR FY2	MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	Total D
	0	0	0	0	9	0	9	9	0	0	0	0	
Expected Numb						cession Mon							
						MAR FY1			JUN FY1				
	259.287	260.556	265.264	294.339			273.993	291.337	315.294	325.421	323,747	283.035	
			050 500			cession Mon					4110 510		
						MAR FY2			JUN FY2	326.71			
	258.522	261.522	284.443	290.539	262.946	292.994	273.604	294.756	319.481	320./1	329.01	291.425	
Standard Devia	ion	•			Ac	cession Mon	the						
Standard Devia		NOV EV1	DEC EVI	IAN EVI		MAR FY1		MAYEVI	IIIN EVI	DIL EVI	AUG EVI	SED EV1	
	5.646	6.417						3.244		5.727			
	3.040	0.417	3.002	0.000		cession Mon		9211	3.042	0.727	4.100	1207	
	OCT FY2	NOV FY2	DEC FY2	JAN FY2				MAY FY2	JUN FY2	JUL FY2	AUG FY2	SEP FY2	
	5.161	7.004	5.133	2.759				5.324	7.567	6.511	6.273		

LIST OF REFERENCES

Bohn, D. and Schmitz, E., *Delayed Entry Program Attrition*, Internal Study, Navy Recruiting Command, November 1995.

Burris, B. D., *Missioning With Minimal Delayed Entry Program (DEP) Loss*, Master's Thesis, Naval Postgraduate School, Monterey, CA, September 1993.

Brooke, A. Kendrick, D. and Meeraus, A., *GAMS A User's Guide*, The Scientific Press, 1992.

Celeste, J. F., *Delayed Entry Program Contracting Cohort Loss Analysis: A Replication*, U.S. Army Research Institute for the Behavioral and Social Sciences, Report 1402, February 1986.

Devore, J. L., *Probability and Statistics for Engineering and the Sciences*, Fourth Edition, Duxbury Press, 1995.

Matos, R. E., U.S. Navy's Delayed Entry Program: Effects of its Length on DEP Loss and First Term Attrition, Master's Thesis, Naval Postgraduate School, Monterey, CA, March 1995.

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